



The **RADIOGRAM**

When All Else Fails ~ Amateur Radio Works

~ Official Newsletter of the Portage County Amateur Radio Service, Inc. ~

PCARS - the 2018 Hamvention® Club of The Year

November 2019 - Volume 14 Number 11

Center of Hope Donations With YOUR Help We Can Reach a BIG Goal

Center of Hope



OSPOTA 2019 Results

Ohio State Parks On The Air



PCARS K8BF

The Club that puts the FUN in Ham Radio!



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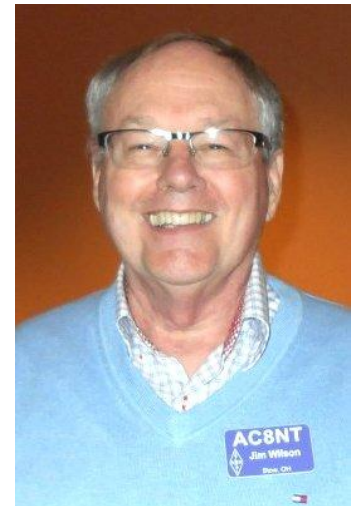
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From the President

Jim, AC8NT
PCARS President



This month has been especially interesting. We have had some great events and finished some more work at the club site.

Akron Maker Faire

PCARS has been displaying ham radio at the Akron Maker Faire event since it started. This year we demonstrated fox hunting and portable operation. Turnout was not as great as last year but still impressive. We also made some interesting new contact including a group of amateur astronomers from an Akron club that would like to discuss radio astronomy with us and maybe we will share information. This will probably result in an event early next year. We also discussed ham radio projects that could use the help of Tiny Circuits products. I have already purchased a couple of pieces for some ham radio projects of mine that may be of interest to others in our club.

Next year the library will allow us to access the roof for antennas. This is the only down side to the library. It is almost a Faraday cage. Use of the roof will allow us to make contacts and demonstrate other areas of our hobby. I would like to point out we did receive some FT8 signals. That is a testament to the abilities of this mode. Thanks to everyone that helped make this event a success.

Jamboree on the Air Scout Event

We opened the club site to scouts Saturday October 19th from 1 to 4 PM and had some scouts visit from the Hartville area. It was a great day for contacts. We had scout to scout contacts using 40 meter SSB and D-STAR. They also saw how digital modes worked including FT8 and PSK31. The Boy Scouts had set up a reflector (REF033A) just for JOTA on D-STAR. Earlier in the day I had made contact with Adelaide, Australia. The VK was busy working scouts all over the US and the UK on the D-STAR REF023A reflector. He made a lot of kids very happy answering a lot of questions. Remember it was after midnight and he was still working scouts. We also had a short fox hunt.

Any event that involves the young in ham radio is a great event. I will make sure more of these events happen in the future. We had a great team to assist in JOTA and I thank them all.

Monthly Meetings

The October meeting had an outstanding speaker in Tim Duffy, K3LR. He updated the club on changes he has made to his great contest station. Tim and DX Engineering are some of our best friends and we definitely enjoy their continued support.

There will be a significant presentation at our November meeting. Dale Williams, Director of the Great Lakes Division, will be presenting Scott Yonally, Section Manager for Ohio, the Knight Distinguished Service Award. The Knight Distinguished Service Award recognizes exceptionally notable contributions by a Section Manager to the health and vitality of the League. Scott is a member of our club and often attends our events and meetings. It will be our honor to host this presentation.

On the subject of the November meeting, we will be holding two very important items. First will be our annual 50/50 for the Center of Hope. We will have a lot of great prizes to win and we all know the proceeds go to an outstanding cause. As with every year, our goal is to beat last year's collections, so please plan to buy a lot of tickets and maybe you will win some great stuff. Also, please ask your friends, business acquaintances, and relatives to donate to this cause. They can do this very easily using the PayPal button on our website. To beat PCARS' last year donation will take a lot of work, so please consider digging deep for your donation and asking others to help.

Also the November meeting is the time we elect new officers to lead our club. We have offices that will need to be filled, so please consider running. I know it will be some work, but the rewards are certainly worth the effort. Also, remember that these officers will need your support including helping with the work required to keep this club great. Remember that when they ask for help.

Bay 3 Work

The project in Bay 3 is now finished. We have painted, rearranged stuff and fixed some tables to make this a better build area. We are planning some great builds for next year and this will provide some much needed space for these types of events. (Remember the last Yagi build where we had someone building his antenna on the floor behind the lab door.) We had a lot of help getting this finished, so much thanks to all for making the project a success.

Side Note



I was visiting DX Engineering to get some help with my new D-STAR radio. As always they were there when I needed them and I was up and running before I left. However, you need to be careful. I left my stuff at the desk while using the restroom. When I picked up my bag and left for the car, I found one of those Yaesu hats had been installed in my bag. You know how I feel about these hats. It took some stealth and cunning to pull this off. *To all of you beware of the hat inserters.*



Schedule of Events

On the calendar for upcoming meetings and activities are:

- November 4th - Board Meeting at the club site - starts at 7 pm
- November 6th - VE Testing at the club site - 7 PM
- November 11th - PCARS Meeting at The American Legion, Kent - Elections and the BIG Raffle and raising money for The Center of Hope - Starts at 7pm
- November 14th - PCARS Birthday - 14 Years !
- November 16th - Tour of the Sears Think[Box] at Case Western Reserve Univ 10a-2p
- December 2nd - Board Meeting at the club site - starts at 7 pm
- December 7th - VE Testing at the club site - 10 AM
- December 9th - PCARS Christmas Social Meeting at The American Legion, Kent



Special Interest Groups (SIGs) - Every Month at the Club Site in Ravenna - 7:00 pm

- First Tuesday - **Digital** - Moderator: Rick, K8CAV
- Second Tuesday - **QRP/CW** - Moderator: Terry, KB8AMZ
- Third Tuesday - **Antenna** - Moderator: Tony, WA8AR
- Fourth Tuesday - **DX & Contest** - Moderator: Chuck, W8PT
- Fifth Tuesday - **Linux for Hams** - Moderator: Terry, KB8AMZ

Fourth Thursday - Net Night at the Club Site - 6:30 pm - Moderator: Tom, WB8LCD



From the Vice President

Nick, AC8QG

PCARS Vice President



Welcome to the holiday season! It's hard to believe how fast the year has gone by, but here we are already! During these colder, gloomier months, why not stop by the club for some fun and fellowship? Maybe you can make it out to a SIG or project day that the warmer months didn't allow. The fun just gets better when more people participate!

Huge thank you to Tim Duffy, K3LR for stepping in at the last minute to present at our October meeting! Tim has been a great friend to PCARS for years and we continue to be grateful for his support! Of course, when you're sitting down for Thanksgiving dinner and going through your list of things to be grateful for, maybe add in DX Engineering. When I speak with Hams around the country, they consistently tell me that they're jealous of my proximity to DXE! It's a great resource that's right in our back yard!

Our technician class has been going well. It's a small but dedicated group that's eager to discuss, go deeper on the material, and really learn! I'm confident we'll have a few new hams very soon!

Once again PCARS participated in the Akron Mini Maker Faire. The crowd was a bit smaller than the last couple of years, but we stayed pretty engaged. I say it was another great success! Everybody had fun and it was nice to engage with the local community!

Our Annual election of officers will take place at the November meeting. Please try to come out for the vote! Also, please consider if this coming year is one where you can increase your involvement with PCARS by volunteering for one of the positions. We need everybody's help, but the people holding elected and appointed positions serve the club in a special way. Yes, it's a lot of work, but it's rewarding work!

November is also our **Center of Hope** fundraiser. We really need all the help we can get. Anything you can throw in is greatly appreciated! The donate button is live on the website, so feel free to click it right now! We'll also have a really great 50/50 planned with all proceeds are donated to Center of Hope. We've already received some very nice donations!

Upcoming Monthly Meetings

November: Election of officers and Center of Hope fundraiser

December: Christmas social

January: Monthly Meeting - Skype with Radio Society of Great Britain from Bletchley Park

February: McMath Hulbert Observatory - Amateur Radio Astronomy

As always, if you have any suggestions for a meeting topic, or if you are interested in giving a presentation please let me know. We're always looking for new and interesting topics! Thank you to all the people that helped fill this list!



PCARS K8BF
The Club that puts the FUN in Ham Radio!



Bobby Pruett, WB8FEW - SK

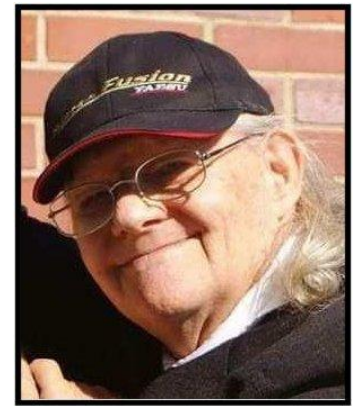
Editor's Note: Sad news this month, one of our former members passed away on October 13th - Bobby Pruett, WB8FEW - PCARS Charter member #17. I met Bobby over 18 years ago. Back then I used to visit him at his home in Ravenna. He got the nick-name of 'Basement Bobby' because that's where he spent most of his time. Tons of test equipment, a couple of very nice long work benches and a few projects in various states of construction or repair at any given time. He enjoyed the



hobby of amateur radio and would talk for hours about various things he had designed and built. It was always a learning experience when you spoke with Bobby. When I worked at WinTronics, I would bring Bobby bags of components that were swept up from the PCB pick-n-place machines. He loved it. He would spend hours and hours sorting the components and storing them away in his part cabinets. Bobby will be missed by many of us that knew him. 73 old friend.

Obituary of Bobby Gene Pruett - (Indian Name Watasiwa)

Age 75, of Canton and Ravenna, passed away Oct. 13, 2019. Born May 28, 1944, and was preceded by his parents Dossie and Jesse (Evans) Pruett and daughter Sherrie (Pruett) Nottingham. He is survived by his daughter Roberta (Pruett) Barrett; and former wife Cheryl (Lindsay) Pruett; his grandsons, granddaughters, great grandsons and great granddaughter. Bobby was an avid ham radio operator and electrician. A graveside service was held at the Henry Warstler Cemetery in Canton, Ohio.



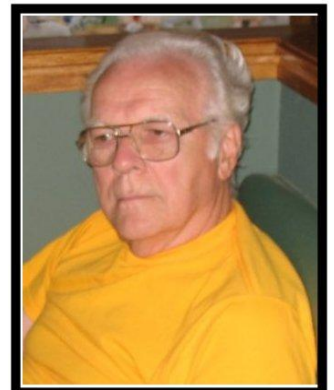
John Hart, KD8EPE - SK

Editor's Note: More sad news - It was reported that John Hart, KD8EPE passed away October 16th - John, KD8EPE was in one of the first Technician classes that PCARS gave at Maplewood Career Center. He joined PCARS and was member # 55. John enjoyed coming to PCARS meetings and would talk to everyone about ham radio. He will be missed by many of us in PCARS.

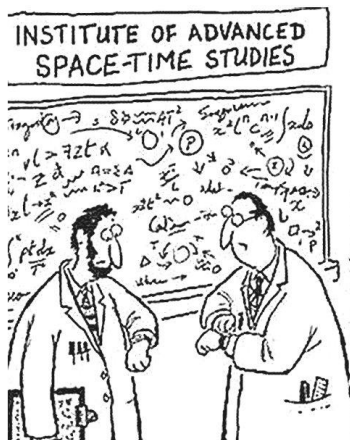


Obituary: John Wyatt Hart, 83 of Ravenna died Wednesday, October 16, 2019, peacefully in his home with his wife and family by his side. He was a Mason and former Tallmadge resident. Born December 5, 1935, in Kent, Ohio he was the son of John Hart Sr. and Ellen (nee Ebersbach) Hart of Kent. Mr. Hart was a graduate of University High

school in Kent and held an associate's degree and journeyman's certification from Kent State. John worked for Firestone and later for Cook machinery company as a journeyman machinist and draftsman. He enjoyed Cleveland sports, fishing and especially loved the many elk hunting excursions in Colorado. John was a Shriner and devout Mason and a lifetime member of the Kent Masonic Temple. He is survived by the love of his life and wife for 63 years, Blanche (nee Chambers). Burial was October 21, 2019 at Maple Grove Cemetery in Ravenna, Ohio.



Spring Forward - FALL BACK



No - It's Spring Forward
FALL BACK

It is that time of year again - Sunday, November 3rd at 2:00 am (local time) - Turn your clocks **BACK** one hour (*Fall Back*). We go from Eastern Daylight Saving Time to Eastern Standard Time.

**UTC (GMT or Zulu Time)
does NOT change.**

So, follow me on this..... At 2:00 am (0200) local on November 3rd, it will be 0600 UTC or 4 hours behind UTC.

We turn our clocks back one hour and that makes it 1:00 am EST (0100) - our local time. It will **still be 0600 UTC**. We are now **5** hours behind UTC time.

You get to sleep in one more hour on Sunday morning. But don't worry, they will take that hour back again in Spring when we turn our clock ahead one hour (*Spring Forward*).



Mini Maker Faire in Akron - October 12th



OSPOTA 2019 - Results

Tom, KB8UUZ
OSPOTA Chairman



Hello Ohio State Parks On The Air (OSPOTA) participants and fans.

The OSPOTA contest is sponsored by the Portage County Amateur Radio Service. We have assisted and encouraged other states to start their own State Parks On The Air contests. And, we are flattered that the ARRL used OSPOTA to model their year long National Parks On The Air, NPOTA, contest in 2016.

The OSPOTA committee found a weekend that most of us (KB8UUZ, KD8MQ, KB8UHN and W8KNO) could get together at the same time for the annual OSPOTA log checking day. All went really well and the final results are out.

No matter where you are on the list - **YOU** are a **WINNER**. **YOU** got out there and made contacts. **YOU** got out there and had **fun** with Amateur Radio - that's what it is all about.

Congratulations to **ALL** of you and **thank you** for participating in the 12th annual Ohio State Parks On The Air.

It will be another week or so before I get the Framed First Place Certificates and the 2nd and 3rd place certificates mailed out. I'll make more announcements as that happens on the OSPOTA IO Group. The results will also be posted on the OSPOTA web site as well.



Ohio State Parks On The Air contest - Sept. 7th



Ohio State Parks On The Air



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Ohio State Parks On The Air



Ohio State Parks On The Air Contest - September 7, 2019

The 2019 Ohio State Parks On The Air (OSPOTA) contest is in the history books. The logs have been received and reviewed and the results are out.

2019 was the 12th annual OSPOTA !!



**First - On behalf of the OSPOTA contest committee:
CONGRATULATIONS to the WINNERS !!**



Second - CONGRATULATIONS to ALL that participated !!

This year the weather was perfect and many hams got out to enjoy the good weather and have fun in an Ohio State Park with their favorite hobby - ham radio. The OSPOTA contest was fun for all that were out or in a radio room at home. Many stations were on the air and activity was fantastic. We had hoped for a lot of activity and all of the participants made it happen. Your efforts in setting up, getting on the air and making contacts are applauded.

Each year OSPOTA is growing and more amateur radio operators both in and out of Ohio State Parks are becoming involved. Let's keep that going in future years.

This particular contest is not only a fun event for most amateur radio operators, it helps to promote the adaptability of hams and to showcase their expertise in being able to set up a portable communications center to make contacts in any weather. OSPOTA is not just a fun contest, it's also a practical exercise to keep our gear ready when called upon to assist local services for communications during an emergency.

The Portage County Amateur Radio Service (PCARS) - located in Ravenna, Ohio is proud to sponsor this contest, and we thank **you** for your participation

Visit PCARS on the web at www.PORTCARS.org

**We'll be looking for you again on September 12, 2020 for OSPOTA 2020 !!
Until then - Take care & 73**

Ohio State Parks On The Air



Greetings to the 2019 OSPOTA (Ohio State Parks On The Air) Participants

From the Portage County Amateur Radio Club's OSPOTA Committee, we would like to extend our appreciation for your participation in the 12th annual Ohio State Parks On The Air contest. You are now part of OSPOTA history and our hope is that it will be a long and rewarding one.

The OSPOTA contest was conceived with three main goals in mind: **1.** Promoting public awareness of ham radio and Ohio's beautiful State Park system; **2.** Contribute to the recognition that Ohio has a very diverse and wonderful ecology; and **3.** Promote camaraderie within the ranks of Ohio's Amateur Radio Operators. It has been with your participation that we believe those goals were achieved again this year.

To those of you who placed in the top three spots in each category, congratulations on your efforts. You deserve your awards for your operating skills. The turn out for OSPOTA was fantastic and we are counting on having everyone do even better in OSPOTA 2020.



So until September 12, 2020 - 73!

Tom - KB8UUZ, OSPOTA Chairman

John - KD8MQ, **Joe - W8KNO**,

John - KB8UHN, **Chuck - W8PT**

OSPOTA Committee Members



OSPOTA Web Site: <http://www.ospota.org>

OSPOTA is sponsored by the **Portage County Amateur Radio Service, Inc. (PCARS)**

PCARS Web Site: <http://www.portcars.org>

OSPOTA 2019 General Information: Top score this year - 25,593

64 Parks activated **11** Parks not activated **9** Parks activated did not submit log **95** Logs submitted
14 Out of state logs submitted **37** Clubs represented over **245** Hams took part this year

37 Clubs Represented

Ashtabula County Amateur Radio Club	Fulton County Amateur Radio Club	Pedestrian Amateur Radio Club
Athens County Amateur Radio Association	Hamilton Amateur Radio Club	Portage County Amateur Radio Service (9)
Bradley County DX Association	Highland Amateur Radio Association (5)	Portsmouth Radio Club
Cambridge Amateur Radio Association	Hocking Valley Amateur Radio Club	Richland County ARES Group
Central Ohio Operators Klub Extra-Novice	Huber Heights Amateur Radio Club (2)	Society of Midwest Contesters
Cuyahoga Amateur Radio Society	Koomer Ridge Contesters	Steubenville-Weirton Amateur Radio Club
Dayton Amateur Radio Association	Lake County Amateur Radio Association	Sunday Creek Amateur Radio Federation
Defiance County Amateur Radio Club	Mad River Radio Club (2)	Swamp Fox Contest Group
DeForest Amateur Radio Club	Madison County Amateur Radio Club	The Champaign Logan Amateur Radio Club
Delaware Amateur Radio Club	Mahoning Valley Amateur Radio Association	Toledo Mobile Radio Association
Drake ARC Contest Group	Medina 2 Meter Group (3)	Warren Amateur Radio Association
Fayette Amateur Radio Association	Ohio Valley Experimenters Club	West Allis Radio Amateur Club
		West Chester Amateur Radio Association



OSPOTA 2019 - Final Scores

Overall High Score

K8IV - 25,593

Multi Op-Multi Radio-Low Power - In a Park

Call	Park Name	Score
K8IV	Punderson - PUN	25,593
WW8OH	Buckeye Lake - BKL	14,924
K8UU	Caesar Creek - CAE	9,776
KE8RV	Madison Lake - MLK	9,325
N8BAP	Paint Creek - PTC	7,912
K8BXQ	Harrison Lake - HLK	4,825
W8H	Maumee Bay - MBY	4,433
K8HO	Rocky Fork - RFK	3,816
W8VP	Blue Rock - BLU	3,649
W8VTD	Mosquito Lake - MST	2,615
K8CY	Geneva - GEN	2,374
W8CWO	Jefferson Lake - JEF	2,356
K8LGN	Hocking Hills - HOC	1,658
W8QLY	Lake Milton - LML	1,359
K8GE	Adams Lake - ADA	1,234
N8QA	Shawnee - SHA	229
W8JFQ	Tinker's Creek - TCK	150
N8BC	Headlands Beach - HEA	7,855(CL)
K8EMD	Cowan Lake - COW	16 (CL)

Multi Op-Single Radio-High Power - In a Park

Call	Park Name	Score
KC8AAV	Burr Oak - BUR	11,248
W8O	Pymatuning - PYM	1,321

Multi Op-Single Radio-Low Power - In a Park

Call	Park Name	Score
K8IYO	Pike Lake - PLK	8,015
N8TUW	Tar Hollow - TAR	6,361
W8UKE	Strouds Run - SRN	4,909
W8AJT	Hueston Woods - HUE	3,469
K8PRC	West Branch - WBR	1,593
KD8CGH	Wingfoot Lake - WLK	1,417
WC8VOA	Little Miami - LMI	773
K8VON	Independence Dam - IDM	442
KD8LBS	Kellys Island - KEL	237
AC8QG	Guilford Lake - GLK	169
KC8WIT	Marblehead Lighthouse - MHD	4,752 (CL)
W8LTR	East Fork - EFK	57 (CL)

Single Op-High Power - In a Park

Call	Park Name	Score
------	-----------	-------

No entries in this category

Multi Op-Multi-Radio-High Power - In a Park

Call	Park Name	Score
------	-----------	-------

No entries in this category

Framed Certificate
Certificate

(CL) = Check Log



Single Op-Low Power - In a Park

Call	Park Name	Score
WB8CPG	Delaware - DEL	12,961
KD8MQ	Mt. Gilead - MTG	10,931
WB8ERJ	Malabar Farm - MAL	10,204
K8RGI	Oak Point - OPT	9,225
KY8U	Lake Loramie - LOR	7,956
KD8BBK	Salt Fork - SFK	5,545
K8FH	Findley - FIN	5,173
K8FAY	Deer Creek - DEE	4,993
K8MD	Middle Bass Island - MBI	4,865
K8RR	Beaver Creek - BEA	4,863
N8WCP	West Branch - WBR	4,569
KB8UEY	Pike Lake - PLK	3,961
KB8UHN	Guilford Lake - GLK	3,422
NF8O	Malabar Farm - MAL	3,268
AD8EC	Delaware - DEE	2,035
AE8U	East Fork - EFK	1,897
WA8RR	South Bass Island - SBI	1,221
K8RYU	Jesse Owens - JEO	1,117
K8RYU	Muskingum - MUS	876
KD8UPX	Shawnee - SHA	817
K8ZT	Nelson Kennedy Ledges - NKL	545
K8RYU	Dillon - DIL	445
W8KIW	Lake White - LWT	340
W8KIW	Lake Alma - LAL	289
W8KIW	Scioto Trail - STR	196
W8KIW	Lake Hope - LHO	120
W8FTV	Kiser Lake - KKL	48
NQ8T	East Harbor - EHB	40
W8YIH	West Branch - WBR	1,114 (CL)
AA8GP	Stonelick - STO	54 (CL)
KD8UZV	Shawnee - SHA	34 (CL)
K8KGX	Findley - FIN	29 (CL)
KD8UFE	Deer Creek - DEE	1 (CL)

In Ohio - Not In Park

Call	Score
W8GTS	1,773
W8TM	1,623
KB8UUZ	1,565
WS6K	1,292
K8YLK	1,241
KE8BKP	825
W8BVH	775
W8BI	575
KF8O	531
W8EOT	508
WB8UWV	329
N8BD	250
N2OPW	175
W8KNO	99

Outside Ohio

Call	State	Score
N3CU	PA	2,665
N4EX	NC	1,480
WB9OWN	WI	1,145
W9AV	WI	1,033
KA5VZG	TN	924
NA2X	NY	779
WB4HRL	SC	646
K9WPV	IN	553
KM4IAJ	VA	487
WG8Y	NC	445
K8GQ	WV	348
W4JUJ	TN	314
WA4JA	TN	110
W0YJT	KS	50





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[illegible]



Ohio State Parks Activated during the OSPOTA Contests: 2008-2019

Page 2 of 2

Ohio State Park	ID	08	09	10	11	12	13	14	15	16	17	18	19
Lake Loramie	LOR			X	X	X	X	X	X	X	X	X	X
Lake Milton	LML	X		X	X	X	X	X	X	X	X		X
Lake White	LWT		X	X	X	X	X	N3	-	-	N3		X
Little Miami	LMI			X	X	X	X	X			X		X
Madison Lake	MLK	X		X		X		X	X				X
Malabar Farm	MAL			X	X	X	X	X	X	X	X	X	X
Marblehead Lighthouse	MHD					X	X	X			X		X
Mary Jane Thurston	MJT	X		X	X		X	X	X		X	X	X
Maumee Bay	MBY			X			X	X			X	X	X
Middle Bass Island	MBI						X	X		X	X		X
Mohican	MOH			X	X	X	X	X	X	X	X	X	X
Mosquito Lake	MST	X	X	X	X	X	X	X	X	X	X	X	X
Mt. Gilead	MTG	X			X		X	X	X				X
Muskingum River	MUS			X		X	X	X	X	X	X		X
Nelson Kennedy Ledges	NKL			X	X		X	X			X		X
North Bass Island	NBI						X						X
Oak Point	OPT							X			X	X	X
Paint Creek	PTC			X	X	X		X	X		X		X
Pike Lake	PLK			X	X	X	X	X	X	X	X	X	X
Portage Lakes	POR	X		X	X	X	X	X	X	X	X	X	
Punderson	PUN	X		X		X	X	X	X	X	X	X	X
Pymatuning	PYM	X		X	X	X	X		X	X	X	X	X
Quail Hollow	QHL	X	X	X		X	X	X	X	X			X
Rocky Fork	RFK			X	X	X	X	X	X	X	X	X	X
Salt Fork	SFK	X		X	X	X	X	X		X	X		X
Scioto Trail	STR		X	X	X	X	X	X	X	X			X
Shawnee	SHA				X	X	X		X	X	X		X
South Bass Island	SBI	X					X	X	X	X			X
Stonelick	STO	X	X	X	X	X		X	X	X	X	X	X
Strouds Run	SRN	X	X	X	X	X	X	X	X	X	X	X	X
Sycamore	SYC	X		X	X	X	X	X		X			
Tar Hollow	TAR			X	X	X	X	X	X	X			X
Tinkers Creek	TCK	X		X	X	X	X	X	X	X	X		X
Van Buren	VAN				X	X	X	X	X	X		X	
West Branch	WBR	X		X	X	X	X	X	X	X	X		X
Wingfoot Lake	WLK	N1	X		X	X		X	X	X	X	X	X
Wolf Run	WRN	X	X	X	X	X	X	X	X	X	X	X	
		36	20	57	50	60	63	64	55	50	58	35	64

N1-Wingfoot Lake became a State Park in 2009

N2-Cleveland Lakefront was dropped as a State Park in mid 2013

N3-Lake White State Park was closed by ODNR - leaking dam 2014 - reopen 2018

N4 - Jesse Owens State Park became a State Park in 2018 - Available for OSPOTA in 2019

Not all activated parks sent a log in for scoring.





Thanks goes out to all the ham radio operators and loggers that submitted logs for the 12th annual Ohio State Parks On The Air contest

AA8GP	K8ZT	KD8LBS	KY8U	N8XWO	W8VTD
AB8KT	K9GE	KD8LHR	N1BCF	N8YFF	W8XDB
AB8P	K9WPV	KD8MQ	N2OPW	N8YWX	W8YIH
AB8YK	KA5VZG	KD8NZF	N3CU	N9GD	W8ZL
AC8QG	KA8IIM	KD8ORN	N3JJT	NA2X	W9AV
AC8RJ	KA8NZS	KD8PSB	N4EX	NA8CB	WA4JA
AC8VV	KA8STM	KD8QYV	N4GAB	NF6H	WA8RR
AC8WQ	KB3RCK	KD8RAP	N8BAP	NF8O	WA8UWV
AD8AG	KB8BKE	KD8RLA	N8BC	NO8F	WB4HRL
AD8AL	KB8DOT	KD8SKL	N8BD	NO8I	WB8CPG
AD8EC	KB8ELG	KD8SKZ	N8BEK	NQ8T	WB8ERJ
AE8AT	KB8EMD	KD8SRC	N8BUS	NX8J	WB8LCD
AE8U	KB8IUO	KD8TUR	N8CJ	W0YJT	WB8PHI
E23RFM	KB8JO	KD8TVP	N8CUB	W3HKK	WB8TCB
K1RQS	KB8JTJ	KD8UFE	N8CWU	W4JUJ	WB8YHD
K3GP	KB8MGI	KD8UPX	N8EWH	W5UHQ	WB8ZGH
K8BXQ	KB8OMG	KD8UVU	N8FAA	W8AJT	WB9OWN
K8CY	KB8UEY	KD8UZV	N8GD	W8ATA	WC8RK
K8FAY	KB8UHN	KD8VUY	N8GU	W8BI	WC8VOA
K8FEY	KB8USO	KD8VWF	N8HLP	W8BVH	WD8AIG
K8FH	KB8UUZ	KD8WRN	N8IDA	W8CWO	WD8DLB
K8GE	KC8AAV	KD8ZCH	N8IMW	W8DLB	WD8JLP
K8GQ	KC8KSM	KD8ZKE	N8JEN	W8EOT	WD8JVV
K8HO	KC8OKJ	KD8ZMG	N8JMK	W8FHF	WD8RIF
K8ITE	KC8QDQ	KE8BKP	N8KYX	W8FTV	WD8SAB
K8IV	KC8RYM	KE8BTT	N8ME	W8GTS	WD8SCV
K8IYO	KC8TFW	KE8BWQ	N8MIQ	W8H	WD8SDH
K8KGX	KC8VOA	KE8DUV	N8MRB	W8IWD	WE8N
K8LES	KC8WIT	KE8EAS	N8MWK	W8JFQ	WG8Y
K8LGN	KC8YDS	KE8EZN	N8NYI	W8KIW	WS6K
K8MD	KD8BBK	KE8IER	N8ORJ	W8KNO	WT8C
K8MSH	KD8CGH	KE8JEC	N8QA	W8LGX	WT8E
K8NQ	KD8DFL	KE8JUJ	N8SDR	W8LTR	WW8OH
K8PRC	KD8DZ	KE8JWE	N8SEG	W8MHV	WW8PR
K8QXO	KD8ENV	KE8KEK	N8SUZ	W8NET	WX8G
K8RGI	KD8FRQ	KE8KHK	N8TUW	W8O	
K8RR	KD8GEI	KE8LWP	N8TWM	W8PAB	
K8RYU	KD8GQW	KE8MWD	N8UAZ	W8QLY	
K8TDA	KD8KBU	KE8RV	N8UVM	W8TC	
K8UU	KD8KDT	KF8LE	N8WCP	W8TM	
K8WEH	KD8KNC	KF8O	N8WL	W8UKE	
K8YLK	KD8KZG	KM4IAJ	N8XMI	W8VP	



OSPOTA 2019 Photos and Comments



AC8QG



K8FH



K8IV





K8RGI - Oak Point WA8RR - South Bass Island



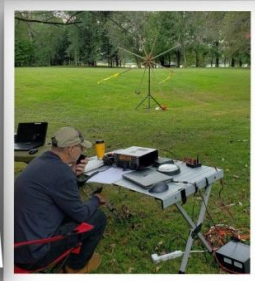
Here are some pictures from K8RGI and WA8RR, Richard J. Robbins, activating South Bass Island and Oak Point State Parks. One picture shows some guests. They made such a mess that we had to rake our site before setting up our antennas and canopy. The weather was great and we both had a great time. Thank you for organizing this contest each year.



KB8UEY

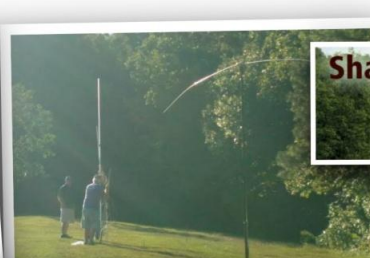


W8QLY



KD8CGH

Dale (NX8J) and I (KD8CGH) activated Wingfoot Lake Park. We are both ex Goodyear employees and had often visited the park when it was Goodyear's. We had a great day and enjoyed catching up on each other's lives. My wife Susan brought us sub sandwiches around noon and joined us for awhile. We used my Elecraft K3 and an LDG Z100 tuner. I built a 42' long W3EDP jr. that doesn't require radials. Running from 6' high up at about a 30 degree angle it tuned easily on 20, 40 and 80. Dale built a giant 10' diameter magnetic loop for 80 m. When I saw it, I immediately thought about that line in Crocodile Dundee, "Loop - that's not a loop - THIS is a loop." Most of our contacts were on 80 and most of them with the loop. - Bob



N8QA

Here are some photos sent me by Mike Bailey for N8QA. Besides being a member of the Portsmouth Radio Club, Mike and his wife Jennifer are HARA members. The Portsmouth group operated the Ohio Parks from Shawnee. Although Jeff at Rocky Fork and I at Lake Hope each heard them, we never were able to make contact. They had a lot of stations calling but they were not hearing them. The second photo is of Gary Caldwell, WX8G. Perhaps some of you recognize him from some of our meetings when promoting the Portsmouth Hamfest. The third photo is of Mike's wife Jennifer, N8JEN. Mike and Jennifer too have attended our meetings when we had a special program. If you attend hamfests in the region, you probably have seen them. Undoubtedly they will be at the upcoming Chillicothe hamfest. The fourth photo has a couple other familiar faces of their members who have journeyed to Hillsboro for our meetings.



Since I live just a few miles from Malabar Farm, it was the obvious choice for me. Set up was straight forward for me, except my non-resonant slinky vertical with auto tuner (see photo...) mysteriously wouldn't load up on 80 meters this time (!!!!!!! MURPHY!!!!!!). It took me about an hour of fiddling, but it eventually loaded on 80, 40, and 20 just fine. Started out on 80 in the morning, and it went hot hand heavy for a couple of hours then faded off. I then switched up to 40 meters and worked several people, but not much in Ohio. I did get several park to parks for POTA, and yes I will upload to the pota site as well. 20 meters was disappointing as I only worked 2 people up there. After bouncing between 80 and forty, around 430 I settled in on 80 thinking / hoping it would open up a bit. I was not disappointed! Soon I pretty much had a pileup with several out of state hams calling me. They were obviously more interested in the POTA credit, to which I gave out my "K-1974" just as a matter of course. Other than the great weather, I think the highlight was when I worked NOKKY in Colorado on 80! So I guess all the hassle in getting the non-resonant slinky vertical to work on 80 was worth it! Looking forward to next year! - Mike WB8ERJ





W8KIW

I saw John Myers, KD8MQ, at the Findlay Hamfest on Sunday. He said that although there is not a class for rovers to go ahead and submit the logs so the park could receive credit for activation. I believe John was going to forward the photos of the adventure to you. This is the first (Lake White) of four parks I activated as a portable operation. I was not operating mobile. I will submit Scioto Trails, Lake Alma and Lake Hope in the coming days. The equipment was a FT-7200 into a trap inverted V with the apex about 25 supported by a mast in the bed of my truck. Except for commercial power at Lake White, power was from a 1200 watt generator. It was a fun day and reminded me of my mobile county hunting days of years gone by. John Levo, W8KIW Highland ARA Information Officer & Editor--Monday Morning Memo



WB8CPG

Had another great event in Delaware State Park. Seen lots of banners out there this year. Looked great. Had lots of activity this year partly due to great weather and a large amount of park Hunters from POTA. They seemed to be in a feeding frenzy due to all the great activators here in Ohio. Many thanks to them. Ohio park operators please register with POTA and submit your logs to them. I'm sure they will appreciate it as much as we appreciated their support. I expect the scores to be some of the highest we've had over the years. Looking forward to next year already. Thanks everyone. 73's Jim WB8CPG



On Saturday, September 7, 2019, members of the ACARA participated in the 12th annual PCARS “Ohio State Parks on the Air” (link), activating Strouds Run State Park at the Bulldog Picnic Shelter and operating under the club’s callsign, W8UKE. Participants: Josh Cash, KE8EAS - Bob Curtis, KD8FRQ - Chalisa Magpanthong, E23RFM - John McCutcheon, N8XWO - Drew McDaniel, W8MHV - Eric McFadden, WD8RIF - Miles McFadden, KD8KNC - Bob Moore, KC8KSM - Paul Schulz, WD8SCV - Jeff Slattery, N8SUZ. Unlike last year (link), when there was lots of rain, for this year’s event, the weather was just about perfect—not too cool, not too hot, not too windy. The station this year consisted of the ACARA’s Elecraft K3 transceiver, an LDG Z-100 Plus automatic antenna tuner provided by W8MHV, an 80m/40m fan-dipole and a 24’ military mast provided by WD8RIF. Power came from a Honda 2kW inverter-generator provided by WD8RIF. As has become the custom, at 5 o’clock those present enjoyed a cookout/potluck. KD8KNC brought fire in the form of a two-burner propane grill and cooked beanie-weenies to share as well as burgers brought by some participants. (As has also become a custom, N8XWO brought his crowd-favorite broccoli salad to share.) By the time the eight-hour event was over, the team had made a total of 111 contacts and had worked stations at 44 of the 75 Ohio State Parks. After figuring in the 25-point bonus for submission of the log in Cabrillo format, the club’s claimed score was 4,909 points, up significantly from 2018’s score of 2,433 points. By band, 65 contacts were made on 75m and 46 contacts were made on 40m. No state parks at all were worked on 40m until the last hour of the event when 40m suddenly “went short” and allowed contacts within Ohio. Contacts were made by KE8EAS, N8SUZ, WD8RIF, and KD8FRQ. The ACARA took 1st-place in class in 2016 and 2017. This year’s score of 4,909 points might be good enough to give the ACARA 1st-place in class in 2019—we’ll have to wait and see. Eric McFadden, WD8RIF - President, Athens County Amateur Radio Association.

K8UU - the Drake ARC Contest Group from Caesar Creek: Oh the bands were better! The weather was better! Everything was better! We needed a third radio station that didn’t show but we still did well. Radios were an Icom 756 pro III, And a Icom 7300. Antennas we used were bazookas on 80 and 20, and an off center fed dipole on 40. A good time was had by all. Thank YOU again for a wonderful contest. We are grateful. WE8N

KB8EMD from Cowan Lake: It is official Cowan state park falls within the old Nike missile base Faraday cage area. That has to be it when for so many years 3 or more skilled amateur radio operators cannot make contact with or even hear other Ohio state parks from that location. Great mast great 20 and 40 meter antennas, Nothing! Only one park was heard and that most likely was ground wave reception. Unlike years past this year when we arrived the tent camping area had several tents. We could not spread out like before so one station only and we picked the wrong bands 20 and 40. We did make contact with several other states. In-spite of not doing well we had FUN a new ham stopped by an extra class who only had 7 contacts under his belt, what did we do to calm his nervous? Sat him down and walked him through making contacts. Remember your first time with a group watching, he did well and I’m sure he left with new found confidence. So next year watch out LARRY, KB8EMD

NQ8T - from East Harbor - I enjoyed operating from the park. I got pretty frustrated being stepped on by the other ongoing events and only hearing a few other OSPOTA ops. So I said to my self, "Self you may as well join in the other events". So I contacted ops from ME, FL, CA, KS etc. At least I felt better knowing the signal from my pea shooter was "getting out". I'll send, via "snail mail", this year's Summary Sheet and paper log. There a only 8 contacts & 5 State Parks, so not much for you to deal with I am not a contester. Messing with a computer on a picnic table outside and maintaining a separate contest only logging program makes life too complicated for the casual "contester". I will participate next year so others can log a contact from the park I elect to activate. I'll then send in a Summary Sheet so you know how many QSO's I made from that particular park! Please don't take offense; next year, I won't bother with sending in a log. I enjoyed the event but don't much care about my score. TNX for your efforts to organize this 73 steve NQ8T

W8BVH - from Lancaster, OH - Greetings, I had fun but this was the 1st time to use a logging program and it was really hard work.?? I guess I'll get used to it some day. Thanks to all that helped get this together. I know it takes a lot of work but I for one do appreciate all of the time you all spent getting this together. Best regards, Ralph Howes, W8BVH

WW8OH - Central Ohio Operators Klub Extra-Novice (COOKEN) - from Buckeye Lake : What an event! Perfect weather, and a great location for WW8OH's two stations. And really good propagation with looooooww QRN, strong signals, and a nice 10 or so person turn-out to help set up and tear down. A couple of pizzas for mid day fortification, and we were back at it for the closing "putsch." My own "not ready for prime time" scoring calculations put us above 13k points. I'm guessing after last years rough weather, the multitudes were out really chafing at the bit to participate in this fun contest. From 10-11am it sounded like a wall of contest animals clamoring to entice takers. WW8OH's 80m station was about 30 minutes late getting OTA, but the more efficient 40m station was on time. Multiple loggers kept track of the qsos and mults. Early hours were hot and heavy. Rates gradually tapered off throughout the day. And our 80m station seemed to run out of fresh meat by around 4:30, as its' lonely voice recorder labored on, trying to scare up just one more qso or mult. Even attempts at a more humorous CQ OSPOTA went unanswered. Alas, it was over. Set up took 2 hours, but tear down was more like 30 minutes. Amazing how that works out. Scenery by the lake was spectacular. There were no crowds, just a few fishermen and passers-by. One guy stopped for a chat. He has been an SWL for ages but never got his license. Nice guy. And while there were boats galore, the noise level was unobtrusive to our open mic's and external speakers. Having our two station tents 150 ft apart, and antennas 200 ft apart meant we had no cross-station qrm of any kind. And those Honda 2000i generators sound more like hummingbirds than machines. Lesson learned by this op: those light weight InvV antennas supported by push up light wt masts and strings work pretty darned well! (the 80m V uses a 40 ft mast and the 40/20m V uses a 20 ft mast). All this on a perfectly flat grassy knoll next to a placid lake, seemed to work great! We had numerous reports of "strong signal!" or "Good signal!". Malabar Farm seemed to have the most unique call signs. Kudos to a couple of rovers who sought to bring us the missing parks. We could use more rovers if we are to populate all 75 parks during OSPOTA. And with the growing appeal of OSPOTA, POTA, Peaks on the Air, etc, I think we will get there. Great job, by the organizers and supporters on OSPOTA! de Bob, W3HKK



KE8RV



N8TUW

OSPOTA at Mt. Gilead (MTG)

John, KD8MQ

Well, another OSPOTA is behind us. Last year, I planned to activate Mt. Gilead SP (MTG) for OSPOTA. But, thanks to Hurricane Gordon, I changed plans and operated from home instead.



programs, activating a state park seems like something akin to being rare DX. But, this was not to be. My trusty FT-450 let me down. After an ill-fated morning at Delaware SP, I packed it in, and decided to operate from Mt. Gilead for the weekend using my contest rig.

This year, I took the potato gun and shot a line over a limb about 45' up. That's where I hung the G5RV. Ordinarily, I'm nervous about using the potato gun in a state park, but I knew I had a secluded location, so I decided to give it a go. It sure paid off for me this year!

I got on the air around dinnertime on Friday, and tore down on Sunday afternoon. Including the time spent operating OSPOTA; my QSO count for the weekend was 421.

During OSPOTA, I worked 268 contacts; 81% of them on a band declared dead, or unproductive by some other ops. This year's contest was a new personal best for me. I suspect that it was a good year for others as well.

The following morning, on the way to the Findlay Hamfest I dictated seven rules for next year's OSPOTA operation (I used the voice recognition app on my phone; PLEASE don't text & drive!).

Here, with some light editing, are my 7 rules for operating OSPOTA:

- Because things will let you down at the worst possible time, bring a backup for **everything!**
- When things slow down, or you just get tired, don't be afraid to take a power nap. Just be aware that the power nap may cost you. I wound up missing first place by about 2000 points; probably the number of contacts I could have made in the time that I was napping!
- But, make hay while the sun shines. When 40 m is hot and you're running stations as fast as you can work them, keep your butt in that chair!

- NVIS is nice, but if you want to make lots of contacts you have to also be heard in other parts of the world.
- The G5RV is **not** a compromise antenna
- Don't compromise; build the best portable station you possibly can.
- If someone tells you that a band is unproductive, check it out for yourself. Your results may be different.

So there you have it. My advice boiled down to 7 rules. Thanks to all who took time to work me this year. I had stations who called me even though they weren't in the contest. Some really nice QSOs were had over the weekend.

So where will I be next year? I don't know, but I'm really beginning to warm up to Mt. Gilead.



Ohio State Parks On The Air contest - Sept. 7 th



**Start Making Plans for the 13th annual
Ohio State Parks On The Air
contest - September 12, 2020.**

We'll be listening for you !!!!!!

Ohio State Parks On The Air



PCARS K8BF
The Club that puts the FUN in Ham Radio!



Happy Birthday PCARS Members

PCARS members having their birthday in **November**:

AC8PR	Keith	Johnson
	Denise	Renfroe
K3GP	George	Proudfoot
K3LR	Tim	Duffy
K8FEY	Bob	Hewett
KB3OQV	Kristen	Andrews
KB8UUZ	'Parky'	Parkinson
KC3JXQ	JC	Wilson
KD8ERY	Susan	Larrick
KD8RHW	Edwin	Elias
KD8SJB	Richard	Kurta

KD8UXJ	Eric	Shane
KD8WZS	William	Smith
KD8ZXB	Janet	Sheppard
KE8KKW	Brandon	Easton
N8ATV	Jerry	Jarze
N8BI	Jack	Comer
N8SY	Scott	Yonally
N8WLE	Nick	Rothermel
W8IZC	Wes	Boyd
W8RID	Robert	Davet
WA8CCU	Al	Nagy
K8BF	PCARS	Nov 14th

PCARS Custom Coffee Cups - Limited Edition- Going Fast

PCARS has obtained a number of special, custom made coffee cups that are available only to members.

Supply is limited. If you are a current (PAID) member of PCARS you get one coffee cup for **FREE** !! The only catch is you have to claim it in person from the **Treasurer - Paul, KE8EGF**.

Paul has a list of current members and will check off your name when you get your **FREE** PCARS coffee cup.

There are a limited number of extra coffee cups and they are for sale at \$5.00 each - **Again, see Paul for all of the details.**



Portage County Amateur Radio Service



K8BF

2018 Hamvention® Club of the Year



PCARS VE Test Sessions

Tom, KB8UUZ
PCARS VE Team Liaison



PCARS VE sessions are scheduled for 10:00 am on the first Saturday of every even numbered month at the PCARS club site in Ravenna.

November 6th (7 pm) Last night of the Tech Class, December 7th (10 am)

2020: Feb 1st, Apr 4th, Jun 6th, Aug 1st, Oct 3rd, Dec 5th

What to Bring to the Testing Session

- \$15 is the current test fee. We prefer the exact amount in cash or a check made out to: **ARRL-VEC**
- A government photo ID (**driver's license or state ID card preferred**).
- Your Social Security Number or FCC Federal Registration Number. We are required to submit either your Social Security Number (SSN) or your FCC Federal Registration Number (FRN) with your application. If you are upgrading, your FRN is on your current Amateur Radio license.
- A pen (black ink) and pencil (we can loan you either or both)
- **If you already have an Amateur Radio license: One copy of your current (unexpired) Amateur Radio Operator License issued to you.**
- If you've already passed a test: The original (and one copy) of any document that you will use to prove you've already passed a test element.



These documents may include:

- An unexpired Certificate of Successful Completion of Exam (CSCE) indicating the credit(s) earned.
- Original and copy of a pre-March 21, 1987 Technician license (this provides credit for the Element 3 [General] exam) - you **must** be currently licensed to get this credit.

Expired License? **Original and a copy** of your expired Amateur Radio License - you must take and pass Element number 2 to re-instate your license.

Any Questions? Contact: KB8UUZ@gmail.com

PCARS Patches & Stickers



PCARS logo patches (**iron on**) & stickers (stick on) are now available!!

Put the patch on your hat, your shirt, your jacket and show off that PCARS logo!! The patch is about 3".

The embroidery on the white patch is in Red, Black and Blue. Cost for a patch is only \$2.00 each and can be obtained



at any PCARS meeting. There are 2 types of stickers available - a 4" x 6" oval and a 3" x 10" bumper sticker. Stickers are \$1 each. Show your pride in PCARS - Wear a patch, use the stickers! See the club Treasurer: **Paul, KE8EGF** or e-mail him at: phyland@neo.rr.com



2019 Center of Hope Donation

Tom, WB8LCD



Yes! PCARS will once again be presenting a donation to the Center of Hope right after our November meeting this year. No matter what it turns out to be, I know that the folks from both the Center of Hope and Family & Community Services will appreciate what we do for them. I also know that those in the community who receive the meals and food that is provided for will also appreciate our donation. No matter how it turns out – everybody WINS!

Our name, Portage County Amateur Radio *Service*, and our Mission Statement both stress that one of our goals is to be of service to our community. While this club activity does not involve Amateur Radio directly, it does show that our club has a bigger vision as to what our service can be. And it certainly can't be bad for our club to be seen by our community as an organization willing to help in ways that are not as obvious, but still of great benefit to the community in which we live.

Center of Hope



We have a pretty good story to share and no-one can accuse us of being just a bunch of crusty old guys who stay in the basement! PCARS presented a donation to the Center of Hope in our very first year of existence – 2006. That year's donation was small, about \$300. But, we have given a donation every year since then, the total of which now stands at just over \$39,000! Last year's donation alone was \$9600.

That's a pretty sizable amount for a group like PCARS! For 2019, I have to ask, are we willing to take it over the top again? I think we should. I think we should adopt \$10,000 as our donation goal for 2019. (Somewhere in my head is a voice that's saying that with just a little more work we could take our total over \$50,000! Either way, should we meet our goal, we'll have something to brag about...)

Here's how we can reach that goal:

I want to ask every member of PCARS to dig as deep as you can to support this. No one's keeping individual score, it's not a competition between us, but please, do what you can. It doesn't matter whether you give your donation directly, or if you use it to buy 50/50 tickets. Everything counts. I learned a long time ago that "all you can do is all you can do, but all you can do is enough." Obviously, to reach our goal, we are going to have to extend our reach. Maybe brag about PCARS to some of your non-ham friends, tell them about all the great things we do! Who wouldn't want to be a part of that? Here's a way that regular folks can be a part of something BIG even if they've never even heard of Ham Radio before. And, after hearing about PCARS, participating with us in doing good for our community, they just might be interested in learning more about our hobby!

Are you a member of any other Amateur Radio clubs, or other civic clubs or organizations? Why not ask them to participate with us? Invite them to our November meeting! How about the people you do business with? Where do you buy your cars, where do you bank? Who's your dentist, doctor, insurance agent, broker, realtor, car mechanic, where do you get your hair done – you get the idea. If not cash, maybe they would be more willing to donate something nice to the 50/50. That's OK too.

There is a PAYPAL button live on the PCARS website for donations. That will make it easy for someone to find and make their donation directly. I've been working on some donation letters that I will send out in a QST next week so that you can use them either as email or print them out and hand them or mail them to people you know. In addition, donations can be made by check payable directly to the Center of Hope. It can either be given to someone who will bring it to the club for processing, or, mailed directly to PCARS for inclusion with our donation. Cash is certainly acceptable, but we would prefer it not be put in the mail. By the way, both the Center of Hope and PCARS are charitable organizations, and donations are 100% deductible (we are not offering tax advice and ask you to check with your accountant or tax preparer if you have any questions as to how the deduction would benefit you).



The Center of Hope provides a very important function in our community. I am proud that PCARS has supported them through the years and hope that we can continue to be a significant part of their mission to our community. I hope you will all join in to make this our biggest year ever!

Running for PCARS President - 2020

Tom, WB8LCD



Hello PCARS!

My name is Tom, WB8LCD. I'm running to be the President of PCARS starting in January 2020. I trust someone will nominate me.

I am one of the founding members of PCARS, and I was the very first president of PCARS. I've wanted to run for president one more time and I guess this is it.



If I'm elected president, I can tell you a few things about what to expect. You can (and should) expect PCARS to be the best club you could possibly belong to! We will continue to do all of the fun things you've become accustomed to; our meetings will continue to be short on business and filled with interesting speakers on Amateur Radio topics. We will continue with our Tech and General classes along with our VE sessions. We will continue to hold operating activities at the club site in addition to the field activities that we participate in such as Field Day, FYAO and sponsoring OSPOTA. The thing is, we will continue to be the club that provides BIG FUN for your Amateur Radio hobby!

My main goal for all club members is that you are provided with the opportunity to learn more and increase your personal enjoyment of your hobby. I hope that we can continue to grow the club membership, primarily by inviting new, non-hams to get their license and join in with us. I hope that we will be able to continue to serve our community, especially with our annual support of the Center of Hope. I hope that we will be able to continue to improve our club site facilities and improve our ability to provide a place where local hams can come to get on the air.

No matter how good we are (or think we are) we can always do better. To that end, I not only hope that you will elect me president, but I hope that you will join me in making PCARS better than ever. For all we have accomplished, I don't think PCARS has "peaked" yet. If we all work together I think we will accomplish some amazing things.



Hamfest Calendar

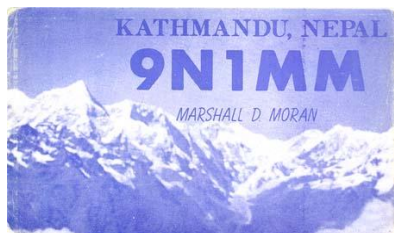
11/03/2019 - Massillon ARC Hamfest - Location: Massillon Boys & Girls Club - 730 Duncan Street SW - Massillon, OH 44646 - Website: <http://www.w8np.org> - Contact: Terry Russ, N8ATZ - 3420 Briardale Drive NW Massillon, OH 44646 - Phone: 330-837-3091 - Email: truss@sssnet.com

03/14, 15/2020 - Toledo Hamfest, ARRL Great Lakes Division Convention - Location: Owens Community College - 30335 Oregon Road - Perrysburg, OH 43551 - Website: <http://www.tmrhamradio.org> - Contact: Rob Hall, KV8P - 8751 Oak Valley Road Holland, OH 43528 - Phone: 419-345-5759 - Email: kv8p@kv8p.com

08/08/2020 - DX Engineering Hamfest, ARRL Ohio Section Convention - Location: **DX** Engineering / Summit Racing - 1200 Southeast Ave. - Tallmadge, OH - More details to follow !!



Marshall D. Moran - 9N1MM



Nick, AC8QG



I'm fascinated with the history of amateur radio, especially the people who moved the hobby and the technology forward. My latest dive into radio history took me to the other side of the world as I followed the story an American who had a big impact on ham radio during the past century.



Marshall Moran was a native of Chicago who traveled as a missionary to India in 1929 and then to Nepal in 1951. He was primarily focused on education and opened schools in both countries. Originally licensed in India with the callsign VU2SX, after moving to Nepal, he set up a ham radio station with the callsign 9N1MM. This made him the first ham radio operator in Nepal!

Over time, Moran contacted some 90,000 operators from around the world and participated in several emergency communications events. He was recognized both locally and internationally for his efforts and received a decoration from King Birendra of Nepal and the International Humanitarian Award of the American Radio Relay League. Rev. Marshall Moran died on April 14, 1992.

Wikipedia page: https://en.wikipedia.org/wiki/Marshall_D._Moran

Biography page: <https://web.archive.org/web/20090920091311/http://nepaljesuits.org/nepal-jesuit-society/fr-marshall-d-moran-sj/>

Contest Calendar

November Contest Calendar	
Contest Name	Times
ARRL Sweepstakes Contest, CW	2100Z, Nov 2 to 0300Z, Nov 4
10-10 Int. Fall Contest, Digital	0001Z, Nov 9 to 2359Z, Nov 10
ARRL EME Contest	0000Z, Nov 16 to 2359Z, Nov 17
ARRL Sweepstakes Contest, SSB	2100Z, Nov 16 to 0300Z, Nov 18
CQ Worldwide DX Contest, CW	0000Z, Nov 23 to 2400Z, Nov 24



YES - There are MANY More Contests out there - Check the internet.

Contests that will be active at the PCARS Club Site in 2020	
Date	Contest
Jan 25-26	BARTG RTTY Sprint (This is our RTTY Training run)
Feb 29 - Mar 1	North American QSO Party-RTTY (Reason for our training)
Mar 14-16	Idaho and Wisconsin QSO Parties
Apr 25-26	Florida QSO Party
May 2-3	New England QSO Party
Jun 13-15	ARRL June VHF Contest
Jul 18-19	North American QSO Party-RTTY
Aug 22-23	Ohio QSO Party & BB-QSO Party
Sept 19-20	Washington State Salmon Run
Oct 3-4	California QSO Party
Oct 10-12	Pennsylvania QSO Party
Oct 17-19	New York & Illinois QSO Parties

Report Causes Concern & Confusion in California

From the ARRL

By all credible and reliable accounts, the State of California has *not* turned its back on Amateur Radio as an emergency communication resource, nor have established repeater owners been asked to remove their equipment from state-owned sites unless they pay sizable fees. The California controversy, inflamed by a viral YouTube video, stemmed from a California Department of Forestry and Fire Protection (CAL FIRE) communication telling a repeater owner or group that

Amateur Radio equipment would have to be removed from a state-owned site or "vault" if the owner(s) determined the cost was too great to proceed with a formal application to keep it there.



"I do understand and appreciate all of the service you have provided in the past," CAL FIRE's Lorina Pisi, told the unknown repeater owner(s) or group(s) last month. "However, with constantly changing technological advances, there is no longer the same benefit to State as previously provided. Therefore, the Department no longer financially supports HAM operators [sic] radios or tenancy. If you desire to enter into a formal agreement to operate and maintain said equipment, you must complete and submit attached collocation application along with fee as outlined on page one of application. There is cost associated with getting an agreement in place."

It's not clear to whom Pisi's memo was addressed, because any name or names were redacted from the version of the memo that is being circulated. ARRL reached out to Pisi but has not heard back.

ARRL officials who have also looked into the situation agree that it's been blown out of proportion by parties with their own agendas.

"The State of California has not made any determination we can find 'that Ham Radio [is] no longer a benefit,'" Pacific Division Director Jim Tiemstra, K6JAT, is quoted on the [Sacramento Valley Section website](#). "What happened is that CAL FIRE has transferred responsibility for its communications sites to its property management department. That department has the task of evaluating each site, its condition, use, and tenants. If a repeater not known to be associated with the emergency management function of a local jurisdiction is found in a CAL FIRE vault, the default action is to move it out or subject it to commercial rental rates."



ARRL Southwestern Division Director Dick Norton, N6AA, has been responding to inquiries with the same message. Read [more](#).





PCARS K8BF

The Club that puts the FUN in Ham Radio!



Tom, WB8LCD

ARRL Ohio Section Affiliated Club Coordinator



You are an ARRL member, aren't you? If not, you should be.

There are a lot of benefits to belonging to the ARRL. First and foremost, you will be supporting the only organization that represents the Amateur Radio community to the government. Our hobby could be gone in an instant, and probably would be already were it not for the ARRL representing our interests. That alone is worth the price of admission.

QST is probably the most comprehensive journal on the topic of Amateur Radio available today. If you want to keep up with going on in the world of your hobby, you need to read QST on a regular basis. Are you using the ARRL email forwarding service? You can give out your email address as (callsign)@arrl.net and your emails will be forwarded to your current email provider of choice. If I decide to switch from Gmail to some other email provider, I only have to make the change at one place and all my emails get forwarded to the new address! Handy, if you find yourself interested in any particular topic of Amateur Radio, chances are good that the ARRL has a book, or other information that can bring you up to speed and keep you current.



There is another benefit to your ARRL membership that directly supports PCARS! If you apply for a new, or renewal ARRL membership via PCARS, then PCARS will receive a commission on your membership. I'm asking you to apply for and keep your ARRL membership up to date via the Affiliated

Club Membership Program. For every new regular membership applied for through the club, PCARS will receive a \$15 commission. (Regular membership only, does not include youth, family or Blind memberships which are already deeply discounted) In addition, for every membership renewed through the Affiliated Club Membership Program, PCARS will receive a \$2 commission.



Following is a copy of the Affiliated Club Membership Program membership application. (also at: <http://www.arrl.org/files/file/Membership/ARRLAffiliatedClubMembershipApplication.pdf>) Fill it out for your new or renewal ARRL membership and bring it to the PCARS meeting along with your dues payment payable to PCARS. Give them to me, Tom WB8LCD, and I will see that your ARRL membership is processed, and that PCARS receives their commission. It's truly a WIN / WIN / WIN for you, PCARS and the ARRL.

Either myself, or another PCARS representative will be available at every PCARS meeting to accept your application / renewal forms. If you want to get it to me directly, send me an email to WB8LCD@ARRL.NET and I'll forward my mailing address to you so you can send it to me directly. Submissions to the ARRL will be made on a monthly basis, but you can renew your membership any time prior to its expiration date.





ARRL The national association for
AMATEUR RADIO®

Membership Application

Application for use by ARRL Affiliated Clubs

Contact Information

☐ I am a brand new member or my membership has been lapsed for 2 or more years. My club will keep \$15 of my dues.

☐ I am renewing (includes lapsed members of less than 2 years). My club will keep \$2.00 of my dues.

Name _____ Call Sign _____

Address _____

City _____ State _____ ZIP _____

Email _____ Phone _____

Date of Birth ____/____/____ Get an annual birthday coupon (US only)

My Family Member is Joining or Renewing: (\$10 per member)

Name _____ Call Sign _____

Name _____ Call Sign _____

Your Annual Membership Dues – Circle Your Choice/s.

	1 Year	2 Years	3 Years	
US	\$49	\$95	\$140	Monthly QST via standard mail for US members
Youth	\$25			Must be 21 years old or younger AND the oldest licensed Radio Amateur in the household
Canada	\$62	\$120	\$177	Monthly QST via standard mail for Canadian members
International	\$76	\$147	\$217	Monthly QST via standard mail for International members
International/Canada – no print QST	\$49	\$95	\$140	Digital QST only
Family	\$10	\$20	\$30	Must reside with primary member and have corresponding membership dates; no extra copies of QST
Blind	\$10	\$20	\$30	No QST delivery; all other member benefits apply. Requires a one time signed and dated statement of Legal Blindness

Additional membership options available online at www.arrl.org/join. US Memberships include \$21 per year for subscription to QST. Dues are subject to change without notice and are non-refundable. Only one free book and one monthly issue of QST per family. Memberships may not be combined with any other promotion or special offer.

☐ I do not want my name and address made available for non-ARRL related mailings.

Payment Information

Please charge my ARRL dues less my club's commission. I have paid the commission directly to my club.

\$ _____ Total Charge to: ☐ Visa ☐ MasterCard ☐ Amex ☐ Discover ☐ Check Enclosed

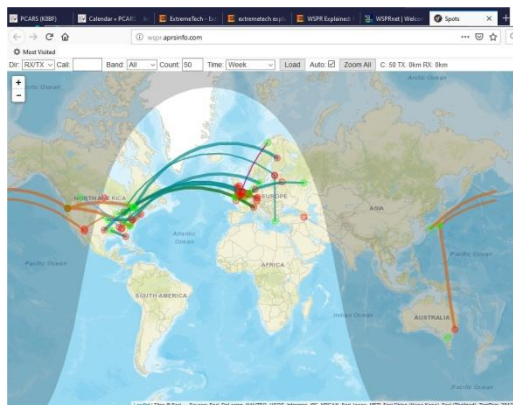
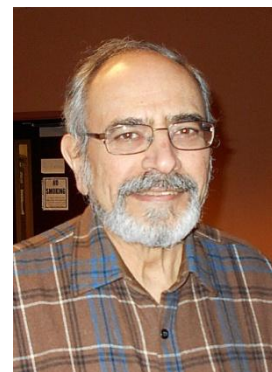
Card Number _____ Expiration Date _____

Card Holder's Signature _____

ARRL ■ 225 Main Street ■ Newington, CT 06111-1494 ■ USA
Toll free (US) 1-888-277-5289 or 860-594-0200 ■ www.arrl.org/join

WSPR Information

Doug, WA8UWV



I've found a very good explanation of WSPR on the ExtremeTech website. If you're at all interested, have a look at:

<https://www.extremetech.com/electronics/297703-wspr-explained-one-way-ham-radio-howto>

While I was aware of WSPR and have seen a map (attached) of received signals, this article seemed to bring a lot of it into focus. Although any transceiver can be used to transmit WSPR signals, the uBitx seems like a good fit. The website that reports WSPR data is: <http://wsprnet.org/drupal/>

From there links will give you a database of activity, signal reports & etc. It shows an incredible amount of activity in just the last 10 minutes. The attached map is a 3rd party map from M0XDK linked from the WSPRnet website. The regular map feature of the site is broken because of a change Google made but there are work-arounds as explained in the Forum.

Extra Class Pool to Change in 2020

Daryl, WX4QZ



Most prospective hams wanting to test, and current hams wanting to upgrade, aren't aware of this...and many get quite a shock on exam day. More than once, I've had examinees study the wrong material, and fail the test.

While the new **Amateur Extra Class** Question Pool won't come out until after the first of the year, it, and the resulting exams will **CHANGE on July 1**; it's not too early to remind those wanting to upgrade to Amateur Extra, that they may want to start studying now. Effective July 1, 2020, the 2016 Amateur Extra Class Question Pools will no longer be valid. No word on how much change will occur (as was the case with the 2016 Amateur Extra Class Question Pool, which was heavily modernized for the digital modes)...but if a similar change occurs, those who don't study will be in for a rude awakening on exam day.

At present, you need to study the 2018 Technician, the 2019 General, and the 2016 Extra -- the latter will change to the 2020 Extra effective July 1. Any study guides, etc. before the dates noted, should be thrown away.



Swap-N-Shop

For Sale: Elecraft K2 s/n 5035 - **KPA 100 Amplifier** - **KNB2 Noise Blanker** - **K160RX 160 meter module** - **KAF2 Audio filter and Real-Time Clock** - **KI02 RS-232 Interface and Aux I/O** - **K60XV and Transverter Adapter** - **KSB2 SSB Option** - \$800

Contact: Bob, WB8OVQ at 330-802-9562 [02/02/20]

For Sale: 30' Aluminum Free-standing Tilt-Over Tower - \$200.00 - Full specs can be found at

https://docs.wixstatic.com/ugd/376c20_8bc492f5edcc4ffe8e6fcb94e3aca7a.pdf

Contact: John, KD8MQ at 330-936-5021, or kd8mq1@gmail.com [02/02/20]

For Sale: BIRD SLUGS - 5A (5 Watts 25-60 MHz) \$50 - 10A (10 Watts 25-60 MHz) \$50 - **Alpha 77DX** with all of the Dick Byrd upgrades. These upgrades include the following: higher voltage plate transformer providing 4300 Volts idle, 7500 Volt rectifiers, 5000 Volt 35 µf filter capacitor, wide spaced loading capacitors like are used in the 77SX, all new step start components, large 10x38mm fuse holders, all new electrolytic capacitors on timer & QSK boards as well as LED lighting for the meters. This amplifier has ZERO HOURS since being upgraded as it was my back-up amplifier. \$5000 - **ALPHA 77SX/DX factory Peter W. Dahl transformer** \$550.00 - **YAESU FT-857D** radio is basically a new in box radio that was removed from the box to allow for the installation of the 2.3 KHz Collins SSB filter and the TCXO which allows for 0.5 ppm frequency accuracy. I also performed the MARS modification which allows for 1.8-30.0 MHz transmit. After the accessories were installed a MH-59A8J remote control microphone was connected to the radio to test operation and confirm the MARS modification was working as expected. The radio was programmed with the various frequencies I planned to use. Then the radio was returned to the original box. Since I had another FT-857 at the time I did not even touch the power cord. I will sell this radio along with the listed installed accessories and remote control microphone. Also included are the following: ATAS-120A auto tuning mobile antenna with a large 3 magnet MFJ mobile antenna mount, ADMS programming software & cable, Nifty Guide quick reference guide and custom printed spiral bound manual with plastic covers. About \$1500 invested selling for \$1100.00 cash only, No Trades. - **DC Power Cords Kenwood 4 PIN fused cord** 2 available \$15 each **ICOM 6 PIN fused cord** NEW \$20.00 - **Atomic Clocks by SHARP**, These clocks sync to WWV every 24 hours and show date and indoor temperature. They also have alarms and can monitor outside temperature with sensor. (1) Atomic Clock with outside temp sensor \$20.00 (3) Atomic Clock w/o outside temp sensor \$15.00 each **SPYTECH GPS Tracker** - This GPS Tracker was only used once and is great for tracking any asset or vehicle using your Smart Phone. Comes with charger and weatherproof magnetic mountable case. Cost \$80, Sell for \$40 - **GARMIN 770LMT** - This automotive GPS unit features a 7" screen, Bluetooth capability and free lifetime map updates. It has the latest - map updates and was only used once. Comes with NEW power cord, and windshield mount - New cost \$349.95., Sell for \$225

Contact: James, KD8VT at JKAndrews@hughes.net [02/02/20]

For Sale: B&W VS300A antenna tuner 160-10 m 300 watt w/ SWR meter and 4:1 twin lead toroid built in mint shape works great w/manual \$45

Contact: Joe, K8HTB at K8HTB@CFSASSOCIATES.COM [01/02/20]

For Sale: Heil HM-10 XD Microphone. \$139 new - will sell for \$110. Taken out of box, but never used

Contact: Deron, N8XTH - 330-715-8552 or email deronmb@gmail.com [12/02/19]

For Sale: Yaesu FT-890 Transceiver, Yaesu YD-148 mic and Pyramid Power Supply - I think I paid \$700 - make me an offer
For Sale: Complete station = Heath SB-1400 Transceiver, Heath SBA-1400-4 Power Supply, Sure 444D Mic, MFJ Deluxe Versa Tuner II - I paid \$400 - make me an offer **FREE: MFJ-1769 no radial Vertical on a tripod** on my garage roof - it's yours free if you'll take it down. **MFJ Rotatable Dipole** - I'll help you take it down. **MFJ-1778 GR5V** - I'll help you take it down. **Icom ICT2H** 2m handy talker - free to a good home. **RCI-5054** Mobile 6m - free to a good home. **A whole lot of other stuff to whoever wants it.** Downsizing to move to an Assisted Living with no ham access, so I need to sell or giveaway the above items.

Contact: Rod, N4PKW - rodandmary10@gmail.com [12/02/19]

For Sale: Hustler 4-BTV with the SO-239 adapter. I can help install it for you in Portage County and the surrounding area. \$75.

WANTED: Hustler resonators. Any band, any condition. Also, working hamsticks except 75m and 40m.

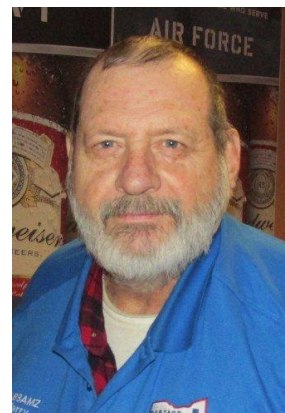
Contact: Gene, W8NET - 330-619-9194 or w8net@me.com [12/02/19]

FOR SALE: ICOM IC-7610 - Brand New, *still in the box*. Decided to upgrade antennas instead of radio. Un-opened box \$2650.
RC-28 - Remote Encoder for the IC-7610 to easily operate the second VFO - Brand new - \$225. **8 Switch Memory External Keypad for the IC-7610/7850/7851.** Instant access to the 8 stored outgoing messages. Made in Germany by DM2RM. Brand new - \$65. **Cushcraft Ten-3** Three element **10 meter beam.** Cost new \$299.95 - **Sell for \$150.00.** This beam helped me make 7,651 ten meter contacts on a tripod on my roof. Great shape & ready to use. Had the roof replaced and took down the antennas. Will be putting up tower and Opti-Beam antennas - if the ground ever dries out.....

Contact: Tom "Parky", KB8UUZ - kb8uuz@gmail.com [01/02/20]

For Sale or Want Ad policy reminder: This is a PCARS *members only benefit*. Please don't ask to list items for a friend, relative or SK estate unless they are/were a member of PCARS. Requests come in from all over the USA (and beyond) to list items for sale or wanted items and we just cannot dedicate that much space to non-members. Listings are good for 3 months unless canceled or changed earlier. The date listed after the contact information tells you when the ad expires - example: [02/02/20] indicates the ad will run until Feb 2, 2020.

Terry, KB8AMZ



I was going through some old amateur radio periodicals for recycling and came across an old newsletter article stuffed between the pages entitled "*Code Shorthand*" that I presented for an ARF newsletter in 1988. It was originally typed using a Commodore 64 and DMP (dot matrix printer) from the article originally written by J. A. Houser, K2EE, SK (note: call sign has been re-issued to David R. Gravel) for the "*73 Amateur Radio*" magazine, December 1971. I received permission from J. A. Houser to reproduce for the Amateur Radio Fellowship Newsletter. I hope you enjoy this article as much as I enjoyed reading it 32 years ago.

Code Shorthand

Word Copying

After one has learned the 26 letters of the alphabet, the 10 numerals, and approximately 10 punctuation marks, progressed to about 10 WPM in proficient copy speed, he generally finds himself on a 'plateau'. Progress to greater code speeds seems for a time to come to a halt.

Progressive learning of any art (and code is an art), according to psychological research, takes place in 'steps'. There are actually ways of advancing many steps at a time, and this article is devoted to one of the many methods which can be used to skip a few steps and hasten the process of acquiring superior code speed in a shorter amount of time.

It is comparable to the shorthand used by stenographers for years to write a language in the form of symbols. One of the principal ingredients of any shorthand is the use of 'word signs'. Practically all of the short, frequently used words in any language are represented by simple 'word-signs', which are actually simple, very short strokes used to represent a word rather than use a multitude of strokes to represent the characters forming that word.

If one wishes to accrue superior code-copying ability, he will have to learn to read and copy words and short phrases just as readily as he copies single letters. In short, he learns word forms instead of single letter forms.

Actually, one of the first word forms to learn is 'the' because it is used most often in the English language. It is no more difficult to copy (-) than it is to copy the character 9 (---- .); and really, in terms of time-space, the two are about equal. The word 'the' takes up 17 time elements, and the character 9 takes up 17 time elements, if one cares to count them. It takes the same length of time to transmit the word 'the' as it does to transmit '9'.

In code, as in a lot of other arts, there is nothing quite like practice to make one proficient. Except, as herein noted, the time is spent in word-copy instead of letter-copy.

To facilitate the use of this system, a list of the short repetitive words used in the English language is given here for the student to practice. If you have a tape recorder (note: this was written in 1971 not 2019), it will pay to record these (each one at least five times) and then copy them back many, many times; and a good trick is to record them at the slow speed, then play the tape back for copy at double speed.

Two letter words are more easily learned first: **OF TO OR ON AN HE NO DO WE IN IT IS AM**

Then, progress to three-letter words: **BUT THE AND WAS WILL SHE HAS HAD NOT WHO FOR ANY**

This will make progression to the four-letter words, as given, much easier to learn, because a lot of four-letter words are merely continuations of the two and three letter words: **WERE WILL THEY THAT HAVE THE WITH HERE FROM MORE THAN**

The student can add many of these two-, three-, and four-letter words to this list to record and copy at double speed.

Phrase Copying

The next step is to progress from simple words to phrases. In shorthand phrases consist of combinations of word signs strung together. Some of the simple, repetitive phrases found in common usage are listed herein as a guide to those

that should be recorded and copied: **IT WAS OF THIS WITH ME I AM WILL HAVE THEY ARE THAT IS FOR THE IT WAS TO THEIR AND THEY WE WILL FROM THE IT IS OF A IN THE SHE WAS DO NOT WE ARE IN AN TO THE HE IS OF THEM AND HE HE WAS WILL BE THEY WERE THAT WAS ON THE SHE IS AND THE TO THEM THEY WILL**

It will take from three weeks to a month with copy at the rate of at least one hour per day for the student to become proficient at copying these two-, three-, and four-letter words and phrases.

But one will notice that automatically his code speed is increasing in direct proportion to his facility in copying. If one wishes more of these phrases, he can consult a 'shorthand' book which will list practically all the phrases in common usage.

Prefixes and Suffixes

There is one more device which can increase the student's code speed immeasurably. This is to become proficient in copying prefixes and suffixes.

There is no greater truism than that in code copying the long words become the stickers. After copying the first few letters of a long word, the mind seems to go into reverse, and a letter or two in the middle is lost -- and one might as well forget the rest of the word, because in attempting to copy the lost letter or letters, the complete word is lost. This is a common state of mental confusion (or mind block) and anyone who copies code knows about it.

By thoroughly learning the prefixes and suffixes, and shortening the 'automatic response' time when they are encountered, the student gains copy time going into the middle of a long word, and then he has a better chance of copying the central letters; and by thoroughly automatizing the suffixes, if the copier falls a letter behind, and the suffix phrase is recognized, the student will automatically be able to quickly complete the word correctly.

Here is a list of some of the common prefixes used in the English language (these will vary somewhat with other languages):

**ILL MOT SUB EX NOT SEM FER WHE CAR PRE UN CON MET INF ADD ED MEN
PER AD BRO ALL FOL COM TEN INT CO POS AND FOR REL DIR ANTI COL EVE
TEM REP BOR WE BAR PRO**

Following is a list of suffixes (word endings):

**TION ILY AIN ERT ONE LY DENT CED MINE ALE CAL ASE ALT DAY SED DER
EST ANE ITE ANYTON ICT ULD ERY ALY AIL DED ABLE NAL ISE TES OULD SIGN
TER ERS INE ATE ANE IBLE ISH ELF ORY OTE IVE IAL TED IST ESS SES THING
ING TOR END BLY**

It must be emphasized that the more common prefixes and suffixes, such as pro, ed, in, tion, ing, must be so thoroughly imbued in automatic reaction that there is absolutely no hesitation in recognizing them, and copying them as such.

Prefix and Suffix Combinations

The reader should immediately recognize the fact that certain combination of prefixes and suffixes actually form complete words -- such as words like 'promote', which consists of the prefix 'pro' and the suffix 'mote'. In longer words, such as the word 'admission', we have two suffixes following a prefix: 'ad', the prefix and 'mission', one suffix, followed by 'ion', another suffix.

It should readily become apparent that once one becomes proficient in this type of code shorthand he will notice an immediate increase in his code-copying ability and his speed will jump from five to ten word per minute over any previous speed in a very, very short time. By the use of a trick system, the student has jumped a couple of steps, instead of struggling to take them one by one.



From the Ohio Section Manager



Hey Gang...

Scott, N8SY
ARRL Ohio Section Manager



Wow.. what a week this was for sure. It seems that after 166,000 miles the old car was in need of some repairs. So, it spent several days at the dealership getting some really needed repairs done. Now it's just like brand new!

I had fun with the guys and gals of the Cuyahoga Falls ARC meeting. I did a presentation for them about the Ohio Section and how we stack up as a leadership Section for the entire country. The guys and I at the Mt. Vernon ARC breakfast on Friday had a mini VE Exam and we got a new Technician Class out of it! Congrats to him for sure!!

Sliding down the band a bit... Have you gotten on the air lately? It seems that many of you are getting licensed and then just not doing anything with it. Have fun with it! Get on the Air!!!

Do you have a story that you'd like to tell about something that you or your club has or is doing? Let me know about it and let's get it in the next edition!

Whelp... That's going to do it for this time around. Stay safe, enjoy the sunshine while we have it, and most of all... have FUN!!

Paper Chase - Worked All El Paso

Joe, W8KNO

The El Paso Amateur Radio Club sponsors the Worked All El Paso Certificate. The requirements to obtain the certificate are:

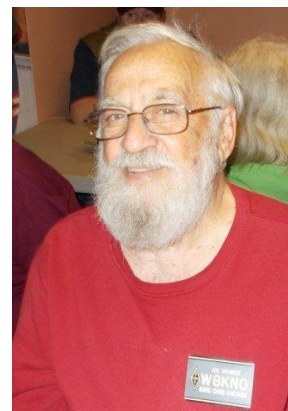
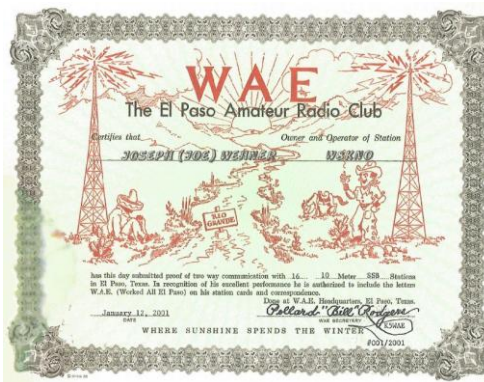
1. Work any 15 El Paso County stations, at any time, any band or any mode, digital or analog.
2. No charge for the WAE Certificate, no QSLs required. Just send log information to W5ES.

Contestant's log must show:

- a. Date
- b. UTC time
- c. Call of station contacted
- d. Name
- e. QTH (TOWN AND STATE)

Also enclose a \$5 donation

3. Mail to: WAE W5ES Clubhouse
2100 San Diego Ave.
El Paso, TX 79930



To make it easier to obtain the certificate, The El Paso Amateur Radio Club sponsors the "**WORKED ALL EL PASO CONTEST**". The contest will be held from 10:00 AM Saturday November 2nd until 10:00 PM Sunday November 3rd our local time!

PCARS Thursday 2 Meter Nets

Greg, KA8TOA
Net Control Coordinator



Thank you all for helping with this! Anytime you are unable to take the net, please give me as much advance warning as possible! **Check-in using the receiver located in Sugar Bush Knolls ~ 146.895 with a PL tone of 118.8.**

Don't forget - 4th Thursday is NET NIGHT at the Club Site !!

Please enjoy the nations birthday weekend. The net control dates will be posted on the Club website. An email will be sent out after the posting. As usual if there are issues please contact me via the roadrunner email address. Thanks to all of you for helping out.

November	
7	KB8TUY
14	K8YLK
21	N8QE
28	NO NET - Turkey Day

December	
5	KA8TOA
12	AC8NT
19	WB8LCD
26	KA8TOA

The PCARS net is **BIG Fun** - tell your friends to check in via RF or EchoLink!

If you have not been a Net Control Operator for PCARS and would like to give it a try, please contact me at: grgory999@roadrunner.com everyone who is a club member is welcome to have a turn - and have fun being the PCARS Thursday Night Net Control !

Hi Everyone;

It is the time of the year for thanking everyone for our good fortunes and to help those less fortunate. So I have a list of people to thank and things to be grateful for. I would like to thank Parky and his wife for all the time and effort they put into the award winning news letter for PCARS. The club officers who make meetings interesting and run the club activities. A big thank you to Jim Wilson and his wife for all the improvements and organization at the club site. To Chuck who runs the QSO parties and contesting for PCARS, which takes time and effort to organize. The VE staff who run, organize and advertise for testing to enhance Amateur Radio for the hobby, just not for PCARS. Thanks to the members who run the SIGs every Tuesday at the club site for their time and effort. Thanks to Deron who organizes the HF net once a month. Thanks to Rick who started a noon net every Tuesday on the UHF repeater to get High School Students more active in our Hobby. To the members who step up to organize and run our other activities, like Field Day, OSPOTA, club parties, barbecues and net nights at the club site. A big thank you to the net control operators who volunteer to help me out, running the nets every Thursday for PCARS. Last but not least is Ed, K8IV, who donates knowledge, time and money to keep the repeaters working for our use and fun.

As you can see there is a lot of things to be thankful for, but most of all it is the members who make it all come together to make this club what it is today. Let's remember the ones who have passed on and thank them. Our hobby is varied and everyone does not have to participate in every facet of it. So pick an activity to help out. Again Thanks to everyone who pitches in, along with their family members.

Now one of the great things about our club is supporting an organization, that supports the less fortunate in Portage County. So every November we donate money to The Center of Hope and every year we try to beat last year's amount. So let's do it again this year, reach into your pockets. Enjoy this meeting for November, Enjoy everyone's company, the gifts, the information, and the upcoming Holidays. Now one of the best things about all of our members is, they are willing to help new hams out, point them in the right direction, assist with setting up stations and share knowledge. I thank everyone one in the club, 73 - Enjoy the Holidays, be safe and have fun.



Skywarn Recognition Day

THE FINAL YEAR AT HOPKINS Skywarn Recognition Day will be taking place nationally on Saturday, December 7th, 2019 for 24 hours starting at 0000Z (Friday, Dec 6th, 7:00 PM Eastern until Saturday, Dec 7th, 7:00 PM Eastern).

The NWS Cleveland Office will be participating from 12:00 PM until 7:00 PM on Saturday, December 7th, 2019. We will be operating under the call sign WX8CLE and will be active on UHF, VHF, and HF (HF bands to be determined later). We will also periodically spin the dial on local repeaters. Just like last year, we will operate UHF/VHF inside the office and HF outside in the new vehicle.

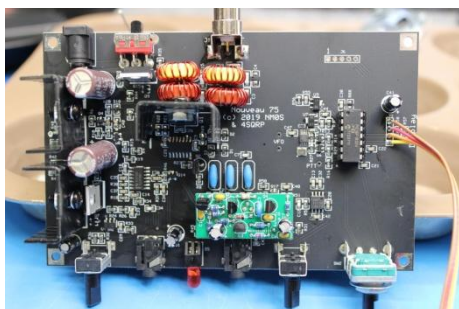
Anyone interested in attending is encouraged to sign up here, but since we will be partially operating from outside, last minute walk ins are welcome. Access to the inside of the building will be restricted based on attendance as the operating area can only accommodate a certain number of people at once. Additionally, any sort of severe weather event could potentially result in us cancelling the operation. Those who sign up will be advised of any last-minute changes, or we can be contacted on the Skywarn simplex frequency of 146.475 (we will do our best to keep a radio on this the entire time).

When you arrive on site, please check in with the operators in the vehicle. They will then arrange access to the building should you desire to come inside. if no one is present, call us on 146.475 simplex.

As you may know, the Cleveland NWS office will be relocating in spring 2020 so this will be the last time to operate from the office at the airport! The address for the National Weather Service Cleveland is 5301 W Hangar Rd, Cleveland, OH 44135. This is off of Brookpark Rd, between NASA and Hopkins, behind the UPS hangar.

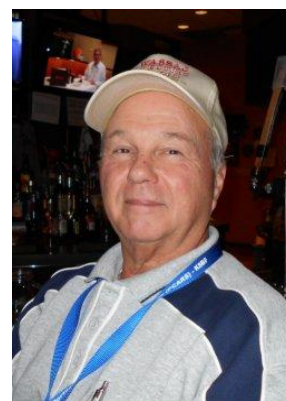


Four State QRP Group AM 75/80 Meter Kit



Jeff, WA8SAJ

Well, I just finished a new \$99 radio kit, which is from the 4 State QRP group Four State QRP Group for 75/80 meters A.M. phone at 5 watts output and it works great.



The kit come with PTT Electric microphone, built in speaker and power connector. The cabinet is all soldered together as described in the instructions. This is a QRP group project, not a large business and so far all very good audio reports and alot of fun!



Kit pictures are from the DX-60 web site Heathkit DX-60 AM Net



PCARS Flex Net - November 13th

Deron, N8XTH



Flex Net in NOVEMBER will be **Wednesday, Nov. 13, 2019 at 8:00 pm ET.**

This month's net will be on 10 meters SSB. We will announce the frequency via a QST e-mail to go out prior to the net. Also, we will have someone on the 146.895 repeater to help anyone find the net. After the net, we ask that you please send a QSL card to each and every person you contact. You can use the **Squirrel Buro QSL box** that is located at the club site and at club meetings to exchange cards. Please remember to use *UTC time/date on all of your QSL's*.

There will be two parts to the net. The first is a quick check in (This net is **not** designed to take the place of the weekly Thursday night nets on 146.895). The second part will be devoted to the PCARS A-to-Z Award where you will be given the chance to work different PCARS members in order to earn the award. (Information on the award is in the April 2019 PCARS newsletter.) If you are a PCARS member participating in the A-to-Z net, the only requirement is that you provide a QSL card to each and every member that requests a QSL card from you. The new PCARS **"Squirrel Buro"** will hopefully help to defray the cost of exchanging cards by providing members a free way to exchange QSL cards at their convenience. More than anything, this net is hopefully going to get more people on the air more consistently, help other members earn their first HF or SSB wallpaper, and help to put more **FUN** into amateur radio!

NOTE: Due to scheduling and the contest season that takes up a lot of ham radio time, the Flex Net will be taking a break until we re-group in January 2020. Thanks goes out to all of you that participated and helped out with the Flex Net. We will be back !!!

New ARRL Publication - On The Air

From the ARRL



ARRL to Launch New On the Air Magazine in January

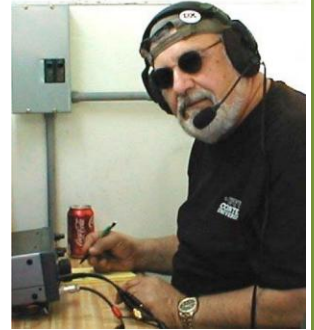
ARRL is launching a new magazine, *On the Air*, in January 2020. To be published on a bimonthly basis, *On the Air* will offer new and beginner-to-intermediate-level radio amateurs a fresh approach to exploring radio communication. Each issue will include advice and insights on topics from the variety of Amateur Radio interests and activities: radio technology, operating, equipment, project building, and emergency communication. The goal of this new magazine is to be a vital resource in helping new and newer radio amateurs get active and involved in radio communications.

"*On the Air* responds to the brand new and not-so-brand-new radio amateur seeking ideas and answers," said QST Managing Editor Becky Schoenfeld, W1BXY. Schoenfeld is part of the ARRL staff team that developed the new magazine. The planning included an extensive national-level study of new Amateur Radio licensees, identifying their motivations for getting licensed and their experiences of getting started. A focus group responded positively to a trial sample edition of the magazine. "Too many new licensees never take the next step," says Schoenfeld. "We're excited to introduce a new Amateur Radio magazine for this audience, aimed at getting them active, getting them involved, and getting them on the air." The first issue of *On the Air* will be published in January 2020 (January/February issue) and will be introduced as a new ARRL membership benefit. Effective November 1, when eligible US radio amateurs join ARRL or renew their memberships, they will be prompted to select the print magazine of their choice — *On the Air* or *QST*. Current members receiving the print edition of *QST*, upon renewal, may choose to continue receiving the monthly print edition of *QST* or the print edition of the bimonthly *On the Air*. All ARRL members, including international members, will be able to access digital editions of both *QST* and *On the Air*. Members who already access *QST* on the web or from the mobile app will be able to access *QST* and *On the Air* starting in January.



Charlie the Tuner's HF High-Lites

Chuck, W8PT
a.k.a. "Charlie the Tuner"



Greetings to all DXers:

The days are really getting chilly and the WX prophets have foretold of the first wintery mix coming up in about a week or so. I don't know about you, but I still have a lot of work to do outside and I am hoping for Indian Summer, or whatever they term a warm few weeks before the snow starts.

In any case, there is still a lot happening on the ham bands and it seems that there have been various openings, even 10 meter EME. So we need to keep our rigs on and our ears open to hear what the bands will allow us to work. And for you Hams that are interested in satellite operation, pay particular attention to the **EA9, MELILLA (Bird Op)** listing.

As always thanks to the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn PacketCluster Network, the AB5K's AR Cluster Networks, NJ1Q & W1AW, NG3K & ADXO, W3UR & The Daily DX, WA4DAN, WB6RSE, K8GI, K8YSE, NE8Z, W8GEX & 60m DX News, W9ILY, CO8ZZ, DL1SBF, DL7UXG & The DX News Letter, DxCoffee.com, DXNews.com, DX-World.Net, EP3CQ, F5NQL, F6AJA & Les Nouvelles DX, I1HYW, I1JQJ/IK1ADH & 425 DX News, ON4CAS, RN3RQ, Sixitalia Weekly, TA1HZ, VE3DZ and VA3RJ & ICPO for the following DX information.

And as always, this report "could" contain "Pirate/SLIM" operation or more likely a "BUSTED CALLSIGN". As always, you never know, so..... - "**Work First, Worry Later**".

PLEASE NOTE: The fact that donation requests, from various DXpeditions, are at times included in this column does not mean that PCARS or this HAM approves or disapproves of donating to the DXpeditions listed. I am only providing information for you to make up your own minds as to whether or not to donate.

Here's a bit of help for those of you who use FT8 to work DX:

5H, TANZANIA. Operators Alex/K2BB, Pavel/UU0JR and possibly others will be active as 5H3EME and 5H3UA, respectively, from Zanzibar Island (AF-032), approx. November 15-30th. Activity will be on various HF and VHF bands using CW, SSB, the Digital modes and EME. EME will be on 6m, 2m and possibly 70cm. Also, look for them to be in the CQWW DX CW Contest (November 23-24th). Look for more details to be forthcoming as well as a Web page.

5I, TANZANIA (IOTA Op). Silvano, I2YSB, informs that the Italian DXpedition Team (IDT) will be activating Zanzibar Island (AF-032) in Tanzania between February 4-18th, 2020. The IDT will be using two callsigns: 5I5TT for CW, SSB and RTTY; 5I4ZZ for FT8 and FT4. The Team will be comprised of 10 operators. Activity will be on 160-10 meters with 5 stations on the air. Suggested frequencies are: CW - 1826, 3530, 7025, 10115, 14030, 18068, 21030, 24890 and 28030 kHz SSB - 3775, 7090, 14240, 18130, 21310, 24950 and 28470 kHz RTTY - 14084 kHz FT4 - 3575, 7047.5, 10140, 14080, 18104, 21140, 24919 and 28180 kHz FT8 - 1845, 3585, 7056, 10131, 14084, 18095, 21091, 24911 and 28091 kHz QSL via OQRS. QSL via I2YSB direct only or LoTW after the operation.

8Q, MALDIVES. Tommy, DL8KX, will be active as 8Q7KX from Baa Atoll (AS-013) between November 10-17th. Activity will be on 40/30/20/15/10 meters and will be only CW. QSL via his home callsign or ClubLog's OQRS.

9G, GHANA. A group of Slovenian operators will be active as 9G5W from Kokrobite between Nov 16-27th. Operators mentioned are Tine/S50A, Leo/S50R, Marko/S51DS, Tone/S51TC, Sergej/S51ZJ, Peter/S54W and Renato/S57UN. Activity will be on 160-10 meters using CW, SSB and RTTY. They plan to be in the CQWW DX CW Contest (November

23-24th). Their equipment contains 3x Kenwood TS-590SG with various verticals for 160/80/40/30m, and two SpiderBeams for 20-10m. QSL via S59ZZ or ClubLog's OQRS. Log will be uploaded to LoTW (usually 6 months later).

9H, MALTA. Operators Kurt/DF4XX (9H3FX), Olaf/DL4HG (9H3OG) and Holger/DL5XAT (9H3TX) will be active as 9H3TX from Gozo Island (EU-023) during CQWW DX CW Contest (November 23-24th) as a Multi/2 entry. QSL via DL5XAT, by the Bureau, direct or LoTW. Operators will be there between November 21-26th. Look for operators to be active outside of the contest using their own 9H callsigns. QSL via their home callsign.

9X, RWANDA. Harald, DF2WO, will be active as 9X2AW from Kigali between Nov 4-16. He is currently preparing his 160m antenna and will build a Hexbeam with Bamboo Sticks for working on 20/17/15/12/10 meters using mainly Digital modes (FT8, PSK31, JT65 and RTTY), CW and SSB. QSL via M0OXO or his OQRS. See QRZ.com for pictures.

BY, CHINA. Nobuaki, JA0JHQ, will guest operate from the Guilin Amateur Radio Club station BY7WGL for two days (November 3-4th).

C5, THE GAMBIA. Don, G3XTT, active as C56DF from The Gambia in CQWW DX CW Contest (Nov 23-24th). Look for operation before and maybe after the contest. Activity will be on various bands, probably all CW like last time using low power (IC-7300 and wires) from a rooftop apartment. He will, of course, upload logs to LoTW and ClubLog, but possibly only after his return to the UK. QSL direct to Don's home callsign or via ClubLog's OQRS.

CE9/HF0, ANTARCTICA. Seba, SQ1SGB, will be active as CE9/SQ1SGB and HF0ANT from Halley VI British Antarctic Research Station and the Polish Henryk Arctowski Station on King George Island (AN-010, WLOTA LH-0312), respectively, between December 20th and February 8th. Activity will mainly be in 40/20 meters using SSB and the Digital modes (FT8/JT65). QSL via his home callsign direct only.

EA9, MELILLA (Bird Op). Philippe, EA4NF, will be active as EA9/EA4NF from Melilla (IM85) on the satellites between November 18-21st. This is a very small Spanish territory located in Northern Africa and a very rare GRID. It is listed as one of the Most Wanted SAT DXCC. Portable activation will be with a FT818 and a FT817ND operating in full Duplex with an Alaskan Arrow Antenna. FM and Linears. QSL via LoTW.

FK, NEW CALEDONIA. Thomas, F4HPX, will be active as FK/F4HPX from Noumea, New Caledonia (OC-032), sometime during the first half of November. Activity will be holiday style on various HF bands using a FT-891 and KX2 into a simple wire antenna plus an Alpha EZ Military stick. He also plans to be active for a few days from Pins Island. QSL via F4HPX, direct, by the Bureau, ClubLog, LoTW or eQSL.

FO, FRENCH POLYNESIA. Robert, K5PI, will once again be active as FO/K5PI. Activity will take place after his participation in the TX7T Marquesas Islands DXpedition (see TX7T below), and during the CQWW DX CW Contest (November 23-24th) as a Single-Op/Low-Power entry on 40-10 meters only. QSL via K5PI.

FW, WALLIS AND FUTUNA. Nobuaki, JA0JHQ, will be active as FW/M0JHQ from Wallis Island (OC-054) between November 23-27th. He may apply for a unique FW callsign upon arrival. Activity will be on 160-10 meters using CW and FT8. QSL via LoTW or direct to JA0JHQ.

H40, TEMOTU PROVINCE. Operators Larry/K1ZW and Rob/N7QT will be active as H40KT and H40TT, respectively, from Pigeon Island (OC-065) between November 14-26th. Activity will be on various HF bands and modes. QSL via M0URX or OQRS. Look for more details to be forthcoming.

HB0, LIECHTESTEIN. Kasimir, DL2SBY, will once again be active as HB0/DL2SBY from Masescha between Dec 21-28. Activity will be on 80-10 meters using CW, SSB and the Digital modes. QSL via DL2SBY, direct or the OQRS (Bureau/direct) via ClubLog ONLY. Do not send your QSL via the Bureau! His log will be uploaded to LoTW later.

HC5, ECUADOR. Joshua, W9HT, will be active as HC5JLT from Ecuador between December 15-21st. Activity will be on various HF bands and 6m, using CW, SSB, and the Digital modes. QSL via his home callsign.

HI, DOMINICAN REPUBLIC. Nate, N4YDU, will be active as HI3CC from the "Loma Del Toro DX Club" station during the CQWW DX CW Contest (November 23-24th) as a Single-Op/High-Power entry. QSL via W2CCW (HI3CC only). Nate will be active as HI3/N4YDU before the contest. QSL via LoTW for HI3/N4YDU.

T6, AFGHANISTAN, Robert, S53R will be QRV as T6AA from Kabul from September to the Summer of 2021 while on work assignment. Activity will be on the HF bands using CW, SSB and various digital modes. He will be active as T6A during major contests. QSL to home call.

T8, PALAU. Noboru, JH1OLB, will once again be active as T88DT from the VIP Guest Hotel (Free Radio Room) on Koror Island (OC-009) between November 21-27th. Activity will be on 160-6 meters (depending on condition) using CW, SSB, RTTY, PSK31, SSTV and JT65A. QSL via his home callsign, direct, by the Bureau or LoTW. No eQSL.

TK, CORSICA. Look for "Team Charlie" (S5 Team) to be active again as TK0C from Sant Ambroggio, Corsica, during the CQWW DX CW Contest (November 23-24th) as a Multi-Single entry. QSL via S50C, direct, eQSL and LoTW. The list of operators was not provided.

TR, GABON. Roland, F8EN (ex-CN8EM, FO8BV, 3C3CR), will once again be active as TR8CR from Gabon during the months of Oct and Nov. Activity on 40-17 m (possibly on 80m) using CW only. QSL via F6AJA, by the Bureau or direct.

TX7T MARQUESAS ISLAND DXPEDITION NEWS (Press Release). Bob, K4UEE, sent out the following press release on October 8th [edited]: The Can-Am DXpedition team will arrive in French Polynesia on November 3rd. While in Tahiti (FO), there will be some activity – including low bands -- for a couple of days/nights....The team moves on to Hiva Oa Island (FO/M) on November 6th, and will depart for home on November 19th. While in the Marquesas, there will be 3-4 four stations QRV on CW, SSB and FT8. Operators mentioned are Bob/K4UEE, Robert/K5PI (Team Leader), Madison/W5MJ, Robert/W5RF, Bill/W5SJ, Neilt/VA7DX, Keith/VE7KW and Didier/F6BCW. Europe is a key target area and every attempt will be made to take advantage of propagation. Pilots are Franz/DL9GFB (Chief Pilot), Steve/N2SG and Don/N7BT. QSL via Direct, OQRS or LOTW.

V4, ST. KITTS. Gary, G0FWX, active as V47FWX from John's, V47JA, QTH on St. Kitts Island (NA-104) between November 6-13th. Activity will be holiday style on various HF bands. QSL via M0URX, or his OQRS.

V6, MICRONESIA. Sho, JA7HMZ, will once again be active as V63DX from Pohnpei Island (OC-010) between November 22-27th. Activity will be on 160-6 meters, all modes and including the CQWW DX CW Contest (November 23-24th) as a Single-Op/All-Band/High-Power entry signing V6A. He will be looking for European stations on 160m before and after the contest. QSL via his home callsign direct or LoTW. No Bureau QSLs

VP2M, MONTSERRAT. Duane, WV2B, will be active as VP2MDT from St. Peters, Montserrat (NA-103), between January 9-15th, 2020. Activity will be on various HF bands. QSL via WV2B direct.

W8S SWAINS ISLAND DXPEDITION 2020 (Update). Upcoming DXpedition to Swains Island (OC-200) will take place between March 10-25th, 2020. The list of international operators signing as W8S are as follows: Hans/DL6JGN (Team Leader), Ronald/PA3EWP (Co-Team Leader), Uwe/DJ9HX, Axel/DL6KVA, Dieter/ DJ9ON, Steve/AG4W, Adrian/KO8SCA, Martin/PA4WM, Gerben/PG5M (QSL Manager) and Rainer/DL2AMD. Activity will be on all HF bands using CW, SSB, FT8 and RTTY, with 4 stations from 2 separate camps.

XP, GREENLAND. Henning, OZ2I/OZ1BII, active as XP2I from Kanger-lussuaq between Nov 20-25th. CW only on all HF bands. He will be in the CQWW DX CW Contest (Nov 23-24th) as a Single-Op/All-Band/Low-Power entry. For activity outside of the contest, he will sign OX/OZ2I. QSL via OZ2I, LoTW, eQSL or ClubLog's OQRS.

XW, LAOS (Update). Per DX-World.net, Simon, G6JFY/HS0ZIB/XZ2A, has announced that he has received his new callsign XW0LP (Suffix "LP" stands for Luang Prabang, the town in north Laos where he now live). License is good for one year as of October 1st, and is initially valid only for 20 meter band operations. Simon states, "On 20 meters, I will be active every day, mostly using FT8. My rig sits right next to my work desk, so I can keep an eye on the band and answer calls as they are received. I WON'T use Fox + Hounds mode on FT8, just simple, single mode. I operate my FT8 software manually so that I can select which call to reply to." QSL via ClubLog. NO BUREAU cards.

XW, LAOS. Bruce, 3W3B (HS0ZCY/XU7ADF/XW1B/AA4XR), who lives in Da Nang, will once again be active as XW4XR from Vientiane between December 4-14th. Activity will be on 40-6 meters (60m included) using CW, RTTY, JT65 and FT8. QSL via E21EIC and LoTW (preferred method).

ZC4, UK SOVEREIGN BASE AREA CYPRUS. Members of the Cambridge University Wireless Society (CUWS) active as ZC4UW from UK Sovereign Base Area on Cyprus (AS-004) between Jan 2-7th. Ops mentioned are Martin/G3ZAY, Simon/G7SOZ, Michael/G7VJR, Stavros/M0BBB (5B4AFM), Dominic/M0BLF, Robert/M0VFC, Dan/M0WUT and Will/M0ZXA. Activity on 160-10 meters using CW and SSB. QSL via ClubLog's OQRS or LoTW. Logs will be uploaded to ClubLog and LoTW. Use ClubLog's OQRS and do not send any cards direct or via Bureau.

ZD8, ASCENSION ISLAND. Steve, WB4GHY, is once again active as ZD8SC from Ascension Island (AF-003) until November 11th. He is there for his usual work detail. Activity will be on 80-10 meters using SSB, FT4 and FT8, with an IC-7000 w/100 watts into a directional antenna. QSL via WB4GHY or LoTW.

IOTA NEWS...

AS-015. Rich, PA0RRS, will once again be active as 9M2MRS from **Penang Island, West Malaysia**, between December 2nd (2019) and February 28th (2020). Activity will probably be on 40-10meters using CW, RTTY, PSK, FT8, FT4 and possibly SSB (he will have a microphone in the luggage, but normally no SSB [possible on request]). Rich will have a Yaesu FT450D with 100 watt into a G5RV dipole with bents on the balcony of the house and a MFJ automatic intellituner for all bands. QSL via his home callsign, ClubLog's OQRS, LoTW or eQSL.

AS-206. (Change Due To Typhoon Hagibis) Members of the Nara DX Assoc. active as JK3ZXX/2 from **Suga Island** between Nov 2-4. Operators mentioned are Tosy/JA3FGJ, Hid/JA3KGF and Joe/JJ3PRT. Activity on 40-17 meters using CW, SSB and FT8. They will focus on EU and NA. QSL via a famous YL DXer JP3AYQ direct only. No Bureau.

EU-024. Tibor, OM3RM, will once again be active as IS0/OM8A from **Sardinia**, but this time during the CQWW DX CW Contest (November 26-27th) as a Single-Op/All-Band/High-Power entry. QSL via OM2VL.

OC-059. Haru, JA1XGI, active as V6K from **Kosrae Island** between Dec 2-9. Activity will be on 160/80/40/30/20 meters using mainly CW with some RTTY and FT8. Focus will be on EU/NA/SA/Middle East of Asia. He will also be in the ARRL 160m CW Contest (Dec 6-8). Suggested frequencies are: CW: 1815/1822.5, 3525, 7025, 10115 and 14040 kHz - RTTY: 7035, 10140 and 14080 kHz - FT8(N): 1840, 3573, 7074, 10136 and 14074 kHz - FT8(F/H): 7051, 10131 and 14085 kHz. His equipment will be an Icom IC-7300 with a DXV600L(Tiny PA) into two vertical antennas. QSL via his home callsign, direct, by the Bureau, ClubLog's OQRS or LoTW (available after 3 months).

As I said, there are a lot of things going on. We can hope that propagation favors us at various times and allows us to work some of the DX listed above. Until next month, 73 and Gud DX!!



CW/QRP & Linux Special Interest Groups

Terry, KB8AMZ



CW & QRP SIG

Hello. November 12th at 7 pm is the next QRP-CW SIG. The Get-On-The-Air at these meetings has been successful. All that is required of you is knowledge of Morse Code. If you have your own straight key, then bring it. I have one unless it is being used by someone else. Unless the group decides to change itinerary the same program will probably be employed for the remainder of the year. This past month no one showed. I made a contact on 40 meters and a contact on 20 meters using 3 watts transmit. Come see how you can do.

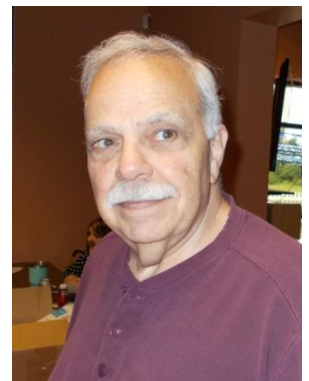
Linux for Hams SIG

The next meeting of the group will be Tuesday, November 29th at 7 PM. Please bring your Raspberry Pi and peripherals. More stuff to learn using the command line and installing Amateur Radio software. We discovered at the last SIG that WiFi was too slow for downloading so I will have some software on a flash drive for installation on your RPi. I have been told that our Internet connection will improve in the near future.

Look forward to your attendance at the Linux for Hams Special Interest Group meeting.

Antenna Special Interest Group

Tony, WA8AR



The November Antenna SIG will meet at 7:00 pm in the PCARS club site radio room, Tuesday, 11/19/2019 . All PCARS members and guests are welcome to attend the Antenna SIG. We will be discussing all antenna related topics including selection, design, construction, trouble shooting and safety for all Amateur Radio bands.

Please let me know in advance if you have special antenna related projects or problems that you wish to discuss with the group and I will be sure we discuss the as a priority topic. Simply send me an email at tromito99@gmail.com anytime before our meeting.

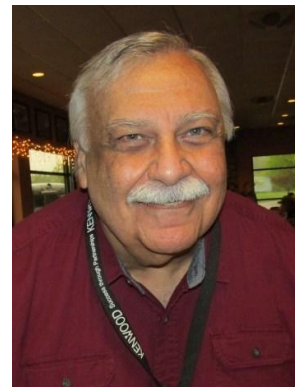
PCARS

ARRL Volunteer Examiners:
serving the Amateur Radio community

First Saturdays 10:00 am
at the club site in Ravenna
February, April, June, August,
October, December

***D**X and Contest Special Interest Group*

Chuck, W8PT



During our recent DX/Contest Special Interest Group meeting, with several members present, we set out the contest schedule for 2020 . It is as follows:

January 25-26	BARTG RTTY Sprint (This is our RTTY Training run)
February ??	Freeze Your Acorns Off QRP Event (Date needs to be confirmed with the Kent Park.
February 29 - Mar 1	North American QSO Party-RTTY (Reason for our training)
March 14-16	Idaho and Wisconsin QSO Parties
April 25-26	Florida QSO Party
May 2-3	New England QSO Party
June 13-15	ARRL June VHF Contest (Plans are being made)
June 27-28	FIELD DAY
July 18-19	North American QSO Party-RTTY (Second time around)
August 22-23	Ohio QSO Party & BBQ
September 12	Ohio State Parks On The Air
September 19-20	Washington State Salmon Run
October 3-4	California QSO Party
October 10-12	Pennsylvania QSO Party
October 17-19	New York & Illinois QSO Parties

For those interested, copy this list down and keep it handy so you know what our club is doing.

Yes, this is an ambitious list but very doable. We've added a few new contests that other members have participated in and reported that they were really fun. As you can see, there are a lot of opportunities to operate for those of you who have not done so before. Don't think that you need to be perfect or that you are expected to not make mistakes. Mistakes are a part of learning. Come on out and sit in an op chair and even if you make only one contest, you will see that it is fun.

California QSO Party:

The PCARS Black Squirrel Contest Group put K8BF on the air during the California QSO Party which was held Oct. 5-6. We had a very good turn out of members for this contest with 12 members showing up during the two day contest. We had 11 of them operate and they all helped to double our score from the previous year.

Here are the results:

Contacts: 216

QSO Pts: 560

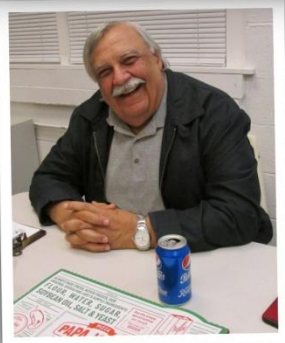
Multipliers: 47

Total score reported: 26,320

I want to thank all those who showed up this year to make this a fun event again. I'm hoping that our results will again put us at the top of the Multi-Multi Low power category.



Arizona QSO Party:



A week after the California QSO Party, the Black Squirrel Contest Group was at it again, participating in the Arizona QSO Party. But unlike the CAQP, this contest was considered a bust.

We had a total of 10 members show up Oct 12-13 to participate and try as we might, we simply could not make any headway. We did work just about every AZ station we heard but we only made 12 contacts during the weekend for a total of 262 pts. When you compare this to the previous year of 1100 pts, you can imagine that there was a lot of twiddling of thumbs going on. Our CQs did not garner much activity at all.

Joe, W8KNO, asked if he could work the Pennsylvania QSO Party since it was being held the same weekend. Since nothing else was happening, he worked it for K8BF on 80m SSB and in a few short hours gathered 29 contacts and 896 pts.

The general consensus was that we will stop participating in the AZ contest and will turn our attention to Pennsylvania next year.



PCARS IO Group

Members are reminded that PCARS has a IO Group site dedicated to PCARS. It's a great site to sign up for and get on the mailing list for important PCARS information.

Check out the PCARS IO Group at: <https://groups.io/g/PCARS>

Two things every member should do.

1. Check the PCARS web site every day, maybe a couple of times a day, to see new info that's posted.
2. Join the PCARS IO Group. That's a great place to post message when you are looking for information or have a question about something. Try it - you just may like it!!



PCARS K8BF
The Club that puts the FUN in Ham Radio!





From the ARRL Web Site

FCC Turns Down Petition to Amend Amateur Radio Identification Rules

The FCC has denied a Petition for Rule Making to amend Part 97 station identification rules to better accommodate and simplify station identification during emergency nets, drills, or activations. ARRL member Robert A. Dukish, KK8DX, of Canfield, Ohio, had sought a change to Section 97.119(a) of the rules to allow a single point of transmission for station ID on those occasions. He proposed permitting a net control station or other designated participant to announce the call signs of every station taking part in the net or exercise, when tactical call signs often are in use, at 10-minute intervals, using automatic CW identification.



In turning down Dukish's petition, Scot Stone, the Deputy Chief of the Wireless Telecommunications Bureau's Mobility Division, said commenters overwhelmingly opposed the proposal.

"They argue that the current rule strikes the appropriate balance between the need to identify the source of transmissions and ease of communication," Stone wrote. "Commenters state that, in their years of experience with amateur emergency communications, the station identification requirement has not proven to be a burden or obstacle, and that the current procedure actually contributes to efficient operations by providing a clear indication that a communication has ended and the channel is available."

Stone said some commenters asserted that Dukish's proposed procedure would be unworkable and cause confusion, while others characterized his proposal as a solution in search of a problem.

"The purpose of the station identification requirement is to make the source of transmissions clearly known to those receiving those transmissions," Stone wrote. "Separating the call sign from each transmission would defeat this purpose." Moreover, he said there's no evidence that the current station ID requirements have hindered Amateur Radio emergency communications.

Dukish had filed his petition in December 2018, and the FCC invited comments on it in February 2019.



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Center of Hope
Help PCARS
Raise Donations



Yes, I'm Still an Old Curmudgeon

Rick, WA8TSI



It's been a couple of months since I sounded off. So, here goes.

Contesting. Radiosport. Chasing DX. Wallpaper. I really have no use for any of it. In 53 years I don't have a DXCC, WAS, WAZ, WAC or any other such award. Why? Because I never kept track or applied for any of 'em. That's why. I'm a rag chewer, plain and simple.

I've listened at recent Field Days. I used to work Field Day many years ago. I think 1982 was the last Field Day where I showed up to work through the night. I had gotten off work and shot straight to the site. When I got there I was berated by the club president for showing up after all the work had been done. I thanked him for noticing that I was there. Then I went to my car and drove home. I never went back to another Field Day. It's hell being Irish!

I also dropped out of that club. For years, decades, really, I had nothing to do with radio clubs or Field Day. Oh, there was more to it than just one presidential jerk, but enough was enough.

Many years later I went to work at DX Engineering. I was working in my favorite hobby! Wow. How often does that happen? At DXE I met some of the absolute nicest co-workers and administrators that I had ever known. Several of them, gently but persistently, suggested that I attend a PCARS meeting. I told them of my dislike for 'clubs'.

Well, you know how hams are. They persisted and I relented. I attended a meeting. Gosh! I met some old friends there. These were guys I hadn't seen in years and years. One was a high school chum! OK, this could be fun.

Back to Field Day. "QSL OM ur 5-9 Ohio, 5-9 Ohio, QSL? Well, he probably wasn't 5-9. Perhaps he was really only 5-7. Maybe he was 4-6. Golly, is that signal 2-4? He had to repeat his info three times. No matter, the 2-4 station gets a 5-9 Ohio. What a crock! Contesting is all about the greatest number of Qs in the shortest period of time. That's all. I get that. Honest signal reports don't mean a thing. UR 5-9 Ohio, OM. Oh, and a lot of courtesy goes out the window too. It's a dog eat dog situation and if QRM gets generated, so what? I can bust the pile up with my 2 kw amplifier and my super-duper 14 db signal zapper antenna!

Contests, bah, humbug. I run to the WARC bands. 17m in particular.

Now, back to PCARS. What a club! There's a SIG for most activities. There is digital, contest and DX, antennas, QRP, building and more. Even an old curmudgeon like me can be turned a bit by all the activity. Take FYAO for example. OK, it's not EXACTLY a contest. But it is a bit like a mini Field Day. Here are a bunch of operators, out in a park, setting up portable and running QRP. Wow, now that is fun! There's all the great food, great fellowship, the QRP challenge and all of those spiffy Hawaiian shirts. What's not to like? I did it last year and I'm hooked. I'm working on two portable antennas right now. One for 40 and one for 20. How about that?

Will FYAO lead me into real contest operations? Probably not. But stranger things are happening... I'm working on my CW again. I put my key away in 1969 and hadn't touched it again until a couple of months ago. I'm a Ragchewer- not a brass pounder! Hmmm... maybe even an old curmudgeon can change- just a bit.

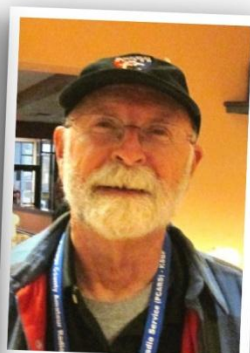
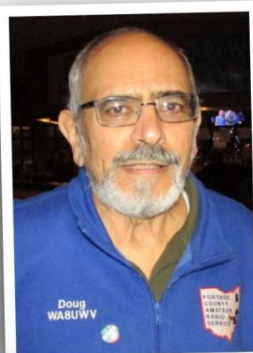
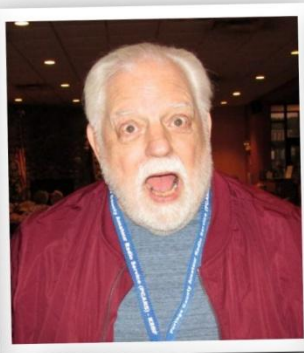
I've been to three PCARS Field Day weekends. I have not operated in Field Day but I love the camaraderie. Now, for all of the contesters and DXers whose noses I have bent; be of good cheer. I'm very glad that YOU like that kind of stuff. It's another example of the diversity of activities in ham radio.

I like to hang out on 7290 AM. OK, that's MY thing. Most of you will think I'm nuts. That's still OK. Those of you that chase wallpaper can enjoy doing it. Those of you that chase DX can enjoy doing it. Yes, even the operators chasing max Qs can enjoy it. Just because it's not for me doesn't make it bad, useless, or without worth. Everyone has to have their own thing. Mine is chatting about anything with the same folks for a lengthy period of time. I love roundtables!

So, there you go. UR 5-9 Ohio! I hope to see many of you at FYAO in February. You can check out my 30 year old TS-140S and my two (almost) homebrew portable antennas. I'll be calling CQ QRP. Oh, and don't forget to eat at the event. The food is fantastic, the operating is fun and the fellowship is wonderful. See ya there, QSL?



Photos from the October PCARS Meeting



**PCARS
Oct 14,
2019**







PCARS Ham Radio License Plates Wanted !!! PLEASE !!

Dig out an old amateur radio call sign license plate (with your present call sign), clean it up and bring it to be permanently affixed to the wall in the PCARS club station.

We have 72 PCARS member's ham plates now, **but we can use more**. Don't have ham radio call plates on your vehicle? Well for those of you in Ohio, you can get the plates sent to you by going to any License Bureau office and filling out the special plate registration form. Have a copy of your current FCC license when you apply. The official form to obtain your Ohio Amateur Radio license plates is on the PCARS IO Group site. Then you'll have an old plate to bring in to get hung up as a **permanent part of PCARS history**.



From the Ohio BMV:

General Information: Owners or lessees of motor vehicles who are residents of Ohio and hold an unrevoked and unexpired official amateur radio station license issued by the Federal Communications Commission may apply for these plates. The official call letters will be the license plate numbers.

Registrant Eligibility: Owner must submit a copy of the un-revoked and unexpired official amateur radio license issued by the Federal Communications Commission. (FCC).

Title Requirements: Ohio Certificate of Title issued in the same name as the FCC license, either singly or jointly, or the name on the FCC license is the same name on the lease agreement.

Vehicle Information: These plates may be issued to passenger vehicles, non-commercial trucks, recreational vehicles, house vehicles and non-commercial trailers.

Type of Plates: Plates will be manufactured with the FCC license.

Issuance Information: Amateur Radio plates cannot be issued with system assigned, reserved, or personalized plate formats.

Renewal of plates can be done at your local Deputy Registrar or by mail using their renewal notice. **Amateur Radio License Holders must provide a copy of their current unexpired and unrevoked official amateur radio license issued by the Federal Communications Commission (FCC) at the time of any type renewal transaction.**

All plates will be mailed directly to the address on your registration card unless customer requests otherwise. The deputy will issue your registration card, stickers and provide you with a permit which will allow you to operate your vehicle while your plates are being manufactured. Special license plate applications are available at all Deputy Registrar license agency locations. These plates cost an additional \$10.00 annually plus the normal registration fees. The fee is determined by Ohio Revised Code section 4503.14.

PCARS is on YouTube

That's right - PCARS is now on YouTube. So, what does that mean? Hey, we have a new place to put all kinds of videos that are about PCARS for the world to see.



DX Engineering Catalog - The PCARS Squirrel is Back !!

The new **DX Engineering** catalog is in the mail - hopefully you have received your by now. If not, visit www.dxengineering.com to get your copy. After a few issues with no PCARS squirrel - it has made a comeback.

Most hams in the world have no idea we try to get that black squirrel in the catalog since a number of us that work at DXE are PCARS members. When it came time for a catalog cover shot, PCARS member Mark, W8BBQ was chosen to have a photo taken of him while at his desk in Customer Service/Technical Support. Well, when Mark re-arranged his desk a bit to make it nice for the photo, he included the PCARS black squirrel - and a PCARS coffee cup in the picture. I think it turned out very nice! Thanks goes out to **DX Engineering** (a great friend of PCARS) to allow us to do this.

Look close and you find both the PCARS squirrel and the PCARS coffee cup!



The catalog cover features a red header with the DX Engineering logo and the title "Amateur Radio Products Autumn/Winter 2019". Below the header is a collage of photos showing staff and customers. The main image shows a staff member at a desk with a headset, with a PCARS squirrel and coffee cup on the desk. A large text overlay reads "WE'RE ALL ELMERS!" followed by a list of benefits.

DX ENGINEERING

**Amateur Radio Products
Autumn/Winter 2019**

FREE Standard Shipping on Most Orders Over \$99

WE'RE ALL ELMERS!

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- Get the right equipment for your shack
- Contact us for expert technical help
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DXENGINEERING.COM 800-777-0703

The Industry's Most Powerful Website | World-Class Products Shipped Worldwide

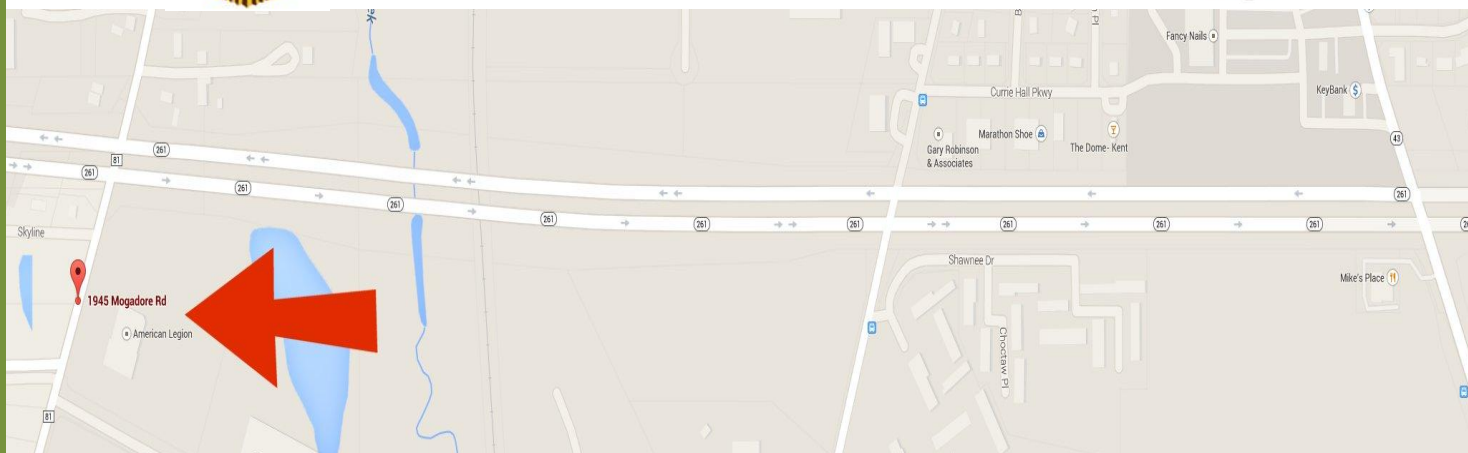
Butternut Antenna | Clifton Laboratories | Comtek | TransWorld Antenna

PCARS Meetings

The Portage County Amateur Radio Service (PCARS) meetings are held the **2nd Monday** of each month and start at 7:00 pm.



*The meetings are held at The American Legion, Post 496
1945 Mogadore Road - in Kent. (Just South of Route 261)*



The American Legion Post 496 is located on the southeast corner of State Route 261 and Mogadore Rd. The driveway is on the south side of the building and as you enter you will pass through a parking lot on the south side of the building. Please do not park in this lot but instead continue on to the parking lot on the east side of the building which is the near the rear entrance into the Post 'Canteen'. As you enter the post from this entrance you'll see a bar to the left and a dining area to the right. The meeting area we'll be in is on the right, to the rear of the dining area.



*The picture on the left shows
The American Legion Post 496
as viewed from Mogadore Road.
(looking East)*

The menu consists of your basic burger / dog / chicken sandwiches, wings, fries, onion rings, and salads. There is also an appetizer selection as well. Adult beverages are available and costs are in line with what you would expect at most bar-restaurant facilities.

If you are a member of the The American Legion, The American Legion Auxiliary, or the Sons of The American Legion, bring your ID card as you get a substantial discount on adult beverage pricing.



Portage County Amateur Radio Service, Inc. (PCARS)

Membership Application [] New [] Renewal

Name: _____ Call Sign: _____ License Class: _____

Address: _____

City: _____ State: _____ ZIP: _____

Phone: _____ E-Mail Address: _____

ARRL Member? [] Yes [] No ARRL Membership Expires Month: _____ Year: _____

Birthday: Month: _____ Day: _____ Year: _____

A \$5.00 initiation fee will be assessed in the first year of membership for all new members.

Membership year is Jan 1 - Dec 31. Dues are due no later than Jan 31st. **If you don't pay by 1/31 - you are no longer a member and you will have to pay the \$5.00 fee again plus dues per the schedule below.**

Dues are as follows: Example - Regular Member Pays on Jan 1st \$20 for entire year. If paid on June 1st, \$15 for entire year, etc.

Check One

Pro-Rated Dues Amount:

<input type="checkbox"/>	Regular Full Membership	Pay January 1 through May 31 = \$20.00 (full year) Pay June 1 through August 31 = \$15.00 (last 7 months)
<input type="checkbox"/>	Associate Membership	Pay September 1 through November 30 = \$10.00 (last 4 months) Pay December 1 through December 31 = \$5.00 (last month)
<input type="checkbox"/>	Regular Senior Full Membership (65+)	Pay January 1 through May 31 = \$16.00 (full year) Pay June 1 through August 31 = \$12.00 (last 7 months)
<input type="checkbox"/>	Associate Senior Membership (65+)	Pay September 1 through November 30 = \$8.00 (last 4 months) Pay December 1 through December 31 = \$4.00 (last month)
<input type="checkbox"/>	Family* Member	Pay January 1 through May 31 = \$10.00 (full year) Pay June 1 through August 31 = \$8.00 (last 7 months)
	Call Sign of Regular Member:	Pay September 1 through November 30 = \$5.00 (last 4 months) Pay December 1 through December 31 = \$3.00 (last month)

(*Family = wife, husband, brother, sister, son, daughter, father, mother that is a licensed amateur radio operator and who's FCC license has the same address as the paid regular member's FCC license). Life Membership is available - Contact the club Secretary

Checks can be made out to either "PCARS" - or - "Portage County Amateur Radio Service, Inc."

What are YOUR Ham Radio interests:

Signed: _____ Date: _____

Mail to: Portage County Amateur Radio Service, Inc.
c/o: Gene Marsh, W8NET
3561 Keswick Drive
Kent, OH 44240

Date Received:	<input type="radio"/> New <input type="radio"/> Renew
Initiation Fee: \$	+ Dues: \$ = Total \$
Paid: <input type="radio"/> Cash -or <input type="radio"/> Check	Check #
Date Voted:	Results:
<input type="radio"/> Database Updated	Member Number:

Rev. 28 Sept 2018

Thanks & 73

Parky, KB8UUZ
PCARS Newsletter Editor

HAPPY 14th BIRTHDAY PCARS !!! Back in the Summer of 2005 Al, KB8VJL and I were talking about starting our own club. We enlisted the help of Tom, WB8LCD and Jim, KC8PD and we all agreed to **go for it**. By November we had pretty much established what we were going to do and after a few preliminary



meetings and a **LOT** of work behind the scenes.

We had our first 'official'

meeting at Mike's Place on **November 14, 2005**. That date established the official beginning of PCARS.

We then publicized information on the new club, sent out postcards to all the hams in Portage County and had our first open meeting in January of 2006. From there - it's all history and PCARS has grown even better with each passing year thanks to all the people that do the work to keep it going and improving.

From me personally to all of you - **Thank You**. And, please, with your help, keep it going into the future.

And most of all - Let's keep having **FUN** with Amateur Radio!

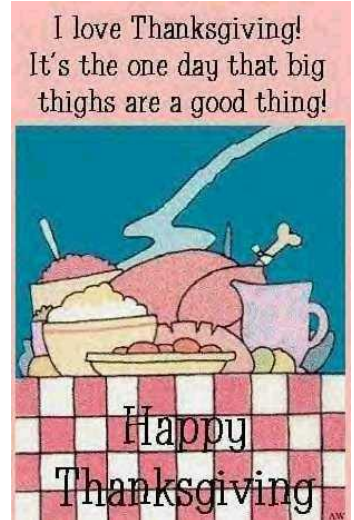
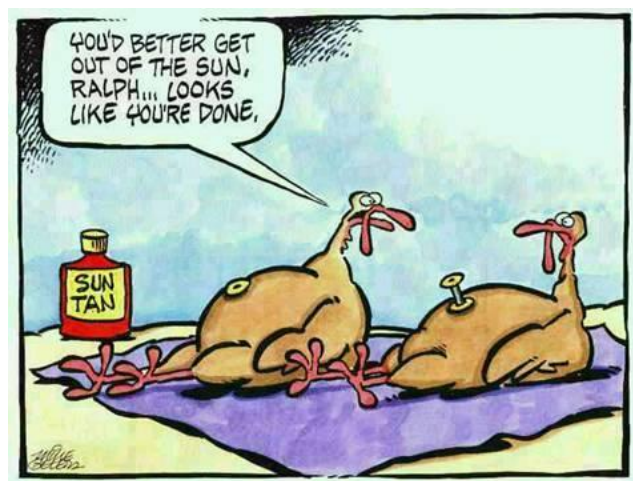
All of our members (and others) look forward to getting this newsletter every month, so keep sending those inputs! I'm sure PCARS is known as the **BIG FUN** amateur radio club with plenty of activities. So chip in and send your report in to keep this newsletter great for the rest of 2019 and beyond.



Thanks go out to the contributors for this month's newsletter:

AC8NT, AC8QG, KB8UUZ, KD8MQ, KB8UHN, W8KNO, K8FH, K8IV, K8RGI, WA8RR, KB8UEY, W8QLY, KD8CGH, N8QA, WB8ERJ, N8BAP, W8KIW, WB8CPG, WD8RIF, WE8N, KB8EMD, NQ8T, W8BVH, W3HKK, KE8RV, N8TUW, WB8LCD, WA8UWV, WX4QZ, KB8AMZ, N8SY, KA8TOA, WA8SAJ, N8XTH, W8PT, WA8AR, WA8TSI, N8ATV, The ARRL, and the World-Wide Web.

With *your* continued help – we can keep making this a *great* newsletter.



The Portage County Amateur Radio Service, Inc. (PCARS) - Ohio

~ The Hamvention® 2018 "Club of the Year" ~

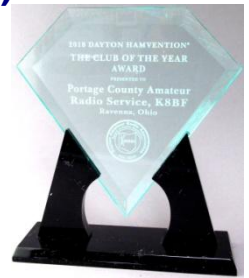


PCARS meets the second Monday of each month at the **Kent American Legion Post 496**, 1945 Mogadore Rd. - just South of Rt. 261 - enter the rear of the building for the meeting room.

Meeting starts at 7:00 pm - All are welcome to attend ~ Stop in and say hello!

PCARS uses the **K8IV** repeater: **146.895 MHz PL 118.8** in Sugar Bush Knolls ~ EchoLink Node: **K8SRR**

Check PCARS out on the web: www.PORTCARS.ORG -or- www.K8BF.ORG



~ 2019 Officers ~		2019 PCARS Appointments & Committees	
President - Jim Wilson - AC8NT Vice President - Nick Wagner - AC8QG Treasurer - Paul Hyland - KE8EGF 3 Year Trustee - Terry Morris - KB8AMZ 2 Year Trustee - Ed Polack - K8IV 1 Year Trustee - Tom Parkinson - KB8UUZ Past President - Rick Kruis - K8CAV	ARRL Awards - DXCC WAS, VUCC, WAC	W8KNO	Joe Wehner
	Club Site Manager/Liaison	K8CAV	Rick Kruis
	Contest Coordinator	W8PT	Chuck Patellis
	EchoLink & Web Guru	K8SRR	Steve Randlett
	Field Day Chairman, 2019	WA8AR	Tony Romito
	FYAO Chairman	W8PT	Chuck Patellis
	Historian	KB8SZI	Peggy Parkinson
	K8BF Callsign Trustee	KD8SKL	Amy Leggiero
	K8BF QSL Manager	KD8SKL	Amy Leggiero
	Membership Chairman	WB8LCD	Tom Sly
	Net Control Manager	KA8TOA	Greg Ash
	Net Night - Club Manager	WB8LCD	Tom Sly
~ Meetings & Net ~		Newsletter Editor	KB8UUZ Tom Parkinson
2nd Monday of each month. 7pm Thursday night Club Net at 8 pm on 146.895	OSPOTA Chairman	KB8UUZ	Tom Parkinson
	Public Information Officer	WB8LCD	Tom Sly
	Secretary	W8NET	Gene Marsh
	Tech, Gen & Extra Class Manager	AC8NT	Jim Wilson
	Volunteer Examiner Liaison	KB8UUZ	Tom Parkinson
Webmasters		KD8MQ	John Myers
		K8SRR	Steve Randlett



**PCARS
Active
Volunteer
Examiner
Team
Members**

KB8UUZ	Tom Parkinson
WB8LCD	Tom Sly
N8XTH	Deron Boring
N8PXW	Jim Korenz
N8QE	Bob Hajdak
K8IV	Ed Polack
W8RID	Robert Davet
WA8CCU	Al Nagy
W8EZT	Frank Tompkins
AC8NT	Jim Wilson
K8MSH	Mark Haverstock
KA8TOA	Greg Ash
W8PT	Chuck Patellis
AC8QG	Nick Wagner
N8FUM	Dan Torchia
W8GWI	Dave Seckel



THE RADIOGRAM

PCARS Incorporated
Nov. 1, 2005

First Meeting
Nov. 14, 2005



ARRL Affiliation
April 20, 2006



Special Service Club
March 22, 2010

The **RADIOGRAM** is the official newsletter of the Portage County Amateur Radio Service, Inc. (PCARS) - **Hamvention® 2018 Club Of The Year** - copyright ©2019. The **RADIOGRAM** is an **Award Winning** newsletter: **ARRL Ohio Section Newsletter - Third Place 2015 - Second Place 2014, 2016 - First Place 2012, 2013, 2017, 2018, 2019. ARRL Great Lakes Division Newsletter - Second Place 2013 - First Place in the 2017.** Articles are the opinion of the authors and not necessarily those of PCARS. Or, better yet, let me express it this way: "These are my opinions and only my opinions, unless you share them as well, which would make them our opinions, but I am not of the opinion that I can express your opinion as my opinion without your prior expression of said opinion, and then my re-utterance of that opinion would, in my opinion, be foolish unless I were expressing agreement to your opinion, and then it wouldn't be my opinion but your opinion to which I only agree." **GO AHEAD - STEAL THIS NEWSLETTER! You have our permission to post, e-mail, copy, print, or reproduce this newsletter as many times as you like, but please do not modify what you use. If you use material in this newsletter, all we ask is that you give credit to PCARS along with the author of the article.** Caution - some of the articles in this newsletter maybe covered by copyright - please do not copy and use the ones that have by-line information unless you obtain permission from the original author. If you're not sure, drop an e-mail to KB8UUZ@gmail.com. The **RADIOGRAM** always obtains written permission for reproducing copyright material. The **RADIOGRAM** comes out the first day of each month (usually), please have inputs submitted by 8 pm ET on the last Friday of each month. ARES® (Amateur Radio Emergency Service®) is a program of, and both logos are registered trademarks (used with permission) of the American Radio Relay League, Inc. ARRL, the National Association for Amateur Radio™. **Why the Black Squirrel in our logo?** For those of you not familiar with it: The Black Squirrel is commonly seen around Portage County, Ohio. Seems that some of these little guys and gals got loose from Kent State University back in 1961. They have migrated and thrived throughout our county. Kent State University even has an annual Black Squirrel Festival. **So when you spot a black squirrel - think PCARS!**

The **RADIOGRAM** is published every month and only sent to subscribers. If you would prefer not to receive this newsletter, we understand. We'll try not to take it personally. It's not you saying you don't like us, but maybe you just don't have the time to look at all this hard work we've done just for you. Hey, that's cool. But if your heart is truly set on making sure you no longer receive this newsletter, even though we promise to one day reveal the meaning of life in it and you're going to be really upset when you miss out on that, we can take you off the e-mail list. Send your newsletter inputs (in .TXT format) along with in-focus pictures (not small 50 kb photos) to the newsletter editor: KB8UUZ@gmail.com



Portage County Amateur Radio Service
705 Oakwood Street - Box 12
Ravenna, OH 44266 USA



NLC

